

**Checklist for Phase I Site Assessments Conducted using EPA Brownfields
Assessment Grant Funds**

Contact Information

Grantee Name: Grand Rapids Brownfield Redevelopment Authority

Grant Number: BF 00E01375

ACRES Property ID: 181701

Program Manager Name: Jonathan Klooster
(Point of Contact)

Contact Phone Number: 616-456-3462

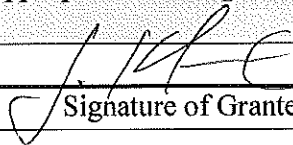
Name / Address of Property Assessed: 802 Alpine Avenue NW, Grand Rapids, MI

Checklist

Please indicate that each of the following All Appropriate Inquiries documentation requirements were met for the Phase I assessment conducted at the above listed property:

- ☒ An **opinion** as to whether the inquiry has identified conditions indicative of releases or threatened releases of hazardous substances, and as applicable, pollutants and contaminants, petroleum or petroleum products, or controlled substances, on, at, in, or to the subject property.
- ☒ An identification of "**significant**" **data gaps** (as defined in §312.10 of AAI final rule and §12.7 of ASTM E1527-05), if any, in the information collected for the inquiry, as well as comments regarding the significance of these data gaps. Significant data gaps including missing and unattainable information that affects the ability of the environmental professional to identify conditions indicative of releases or threatened releases of hazardous substances, and as applicable, pollutants and contaminants, petroleum or petroleum products, or controlled substances, on, at, in, or to the subject property.
- ☒ **Qualifications and signature** of the environmental professional(s). The environmental professional must place the following statements in the document and sign the document:
 - ☒ "[I, We] declare that, to the best of [my, our] professional knowledge and belief, [I, we] meet the definition of Environmental Professional as defined in §312.10 of this part."
 - ☒ "[I, We] have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. [I, We] have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."

Note: Please use either "I" or "We."
- ☒ In compliance with §312.31(b) of the AAI final rule and §12.6.1 of ASTM E1527-05, the environmental professional must include in the final report an **opinion regarding additional appropriate investigation**, if the environmental professional has such an opinion.



Signature of Grantee Program Manager

1/21/15

Date



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PHASE I ENVIRONMENTAL SITE ASSESSMENT

802 Alpine Avenue NW | Grand Rapids, Michigan
PM Project Number 03-4006-0

Prepared for:

City of Grand Rapids
300 Monroe NW
Grand Rapids, Michigan 49503

Prepared by:

PM Environmental, Inc.
560 5th Street NW, Suite 301
Grand Rapids, Michigan 49504

Know Your Risk.
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January 19, 2015

Mr. Jonathan Klooster
City Of Grand Rapids
300 Monroe NW
Grand Rapids, Michigan 49503

**Re: Phase I Environmental Site Assessment of the Commercial Property
Located at 802 Alpine Avenue NW, Grand Rapids, Michigan
PM Environmental, Inc. Project No. 03-4006-0**

Dear Mr. Klooster:

PM Environmental, Incorporated (PM) has completed the Phase I Environmental Site Assessment (ESA) of the above referenced property. This Phase I ESA was conducted in accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries {(AAI), 40 CFR Part 312} and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-13* (ASTM Standard Practice E 1527-13).

The Phase I ESA for the above referenced property represents the product of PM's professional expertise and judgment in the environmental consulting industry, and it is reasonable for **TKKA PROPERTIES LLC AND GRAND RAPIDS BROWNFIELD REDEVELOPMENT AUTHORITY** to rely on PM's Phase I ESA report.

If you have any questions related to this report please do not hesitate to contact our office at 877.313.2991.

Sincerely,
PM ENVIRONMENTAL, INC.



Bryant J. Hengst
Staff Consultant



Beth Sexton
National Due Diligence Manager

EXECUTIVE SUMMARY

PM Environmental, Inc., (PM) was retained to conduct a Phase I Environmental Site Assessment (ESA) of the Commercial Property located at 802 Alpine Avenue NW, Grand Rapids, Kent County, Michigan (hereafter referred to as the "subject property"). This Phase I ESA was conducted in accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries {(AAI), 40 CFR Part 312} and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-13* (ASTM Standard Practice E 1527-13).

THIS REPORT WAS PREPARED FOR THE EXCLUSIVE USE OF TKKA PROPERTIES LLC AND GRAND RAPIDS BROWNFIELD REDEVELOPMENT AUTHORITY, EACH OF WHOM MAY RELY ON THE REPORT'S CONTENTS.

Item	Comments
Number of Parcels and Acreage	One parcel containing 0.15 acres
Number of Building(s) and Square Footage	A single-story commercial building containing 2,244 square feet
Current Property Use	Automotive transmission repair shop

Reasonably ascertainable records for the subject property extended back to approximately 1888. Data failure occurred prior to that date. In PM's professional opinion, this data failure does not represent a significant data gap.

Standard and other historical sources were able to document that the subject property was originally developed as a mixed-use property prior to 1888. Original development included two residences and a commercial building, all of which were demolished by 1929. Former commercial occupants included a grocery store from at least 1919 until 1924. The occupants associated with the original commercial building from initial construction prior to 1888 until 1919 could not be determined through review of historical sources; however, based on the layout of the building and the known past uses, the tenants were likely commercial in nature and included similar retail operations. The property was redeveloped between 1924 and 1929 with a commercial building in the central portion of the property, which was demolished by 1967. Former occupants included a gasoline service station from at least 1929 until 1959 and an automotive transmission repair shop from 1961 until 1967. The current building was constructed in the central portion of the property in 1967, and has been occupied by an automotive transmission repair shop since that time.

The following table summarizes the conditions identified as part of this assessment. Affirmative answers are further discussed below the table:

Type of Condition	Identified During the Course of this Assessment
De Minimis Condition	No
Significant Data Gap	No
Historical Recognized Environmental Condition (HREC)	Yes
Controlled Recognized Environmental Condition (CREC)	No

Recognized Environmental Condition (REC)	Yes
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Historical Recognized Environmental Condition

An HREC, as defined in the ASTM Standard, is a past release of hazardous substances or petroleum products that has occurred in connection with the subject property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the subject property to any required controls. The following HREC was identified:

- The subject property is a closed Leaking Underground Storage Tank (LUST) site with one release reported in 1990, which was granted a Type B LUST Closure in 1992. The release was reported during removal of a 6,000-gallon used oil UST, located south of the subject building. Review of site assessment activities completed in 1991 documents that no subsurface contamination associated with the release remains on-site above the most restrictive Part 213 Risk Based Screening Levels (RBSLs). Based on the closed LUST status and documented site assessment activities which were adequate to assess the former release, PM has identified the closed LUST status as an HREC.

Recognized Environmental Condition

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Commercial Property located at 802 Alpine Avenue NW, Grand Rapids, Kent County, Michigan, the property. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions connected with the property except the following:

- The subject property was formerly occupied by a gasoline service station from at least 1929 until 1959 and has been occupied by an automotive transmission repair shops since 1961. Based upon review of the previous subsurface investigations completed in 1991, soil contamination is present which exceeds the current Part 201 Residential and Nonresidential Generic Cleanup Criteria. Review of previous site investigation activities documents that the exceedances are within the building footprint and therefore are not associated with the former release. The soil contamination is likely associated with the long-term service operations that have been present on the property since the 1920s. Based on these analytical results, the subject property would be classified as a "facility," as defined by Part 201 of P.A. 451 of the Michigan Natural Resources Environmental Protection Act (NREPA), as amended.
- The subject property has been occupied by various automotive service operations since at least 1929. Historical interior waste streams associated with the current and former operations would have consisted of general hazardous substances and/or petroleum products. A significant portion of this time period preceded major environmental regulations and current waste management and disposal procedures. The historical waste management practices associated with the current and former operations are unknown and may be a source of subsurface contamination.
- PM observed four in-ground hoists in the shop area within the current building. According to the site representative, two of the hoists were installed in 1967. The installation dates of

the remaining hoists were unknown. In-ground hoists have an underground reservoir for hydraulic fluids, which can contain polychlorinated biphenyls (PCBs). The potential exists that a release occurred from the former hydraulic hoist system and/or underground reservoir.

- PM observed two dry wells in the shop area within the current building. The original installation date of the dry wells is unknown. According to the site representative, the dry wells are pumped by Crystal Clean on an as needed basis. The integrity of the dry wells is unknown. Historical interior waste streams associated with the automotive transmission repair shop would have consisted of general hazardous substances and/or petroleum products. A significant portion of this time period preceded major environmental regulations and current waste management and disposal procedures. Based upon the age of the building, the potential exists for failure of the dry wells (i.e. cracks, leaks) to have occurred over time. The current and historical waste management practices associated with the dry wells are unknown and could be a source of subsurface contamination.
- According to information obtained from the City of Grand Rapids Building Department, the former commercial building utilized an oil heater in at least 1951. PM was unable to determine the heat source for the building from at least 1929 until 1967. Given the use of an oil heater in at least 1951, it is likely that a fuel oil above-ground storage tank (AST) or underground storage tank (UST) was used during that time. The potential exists for orphan USTs to be present on the property and/or for a release to have occurred.
- According to information obtained from the Michigan Department of Environmental Quality (MDEQ) and City of Grand Rapids Fire Department, the property formerly contained two 1,500-gallon USTs and a 1,000-gallon UST that were reportedly removed in 1986. The contents of the USTs were not documented, and the location of the USTs was not provided. Additionally, PM was unable to confirm whether these USTs were the only USTs associated with the service station operations from 1929 until 1959. The potential exists for orphan USTs to be present and/or for a release to have occurred from the former UST systems and/or fuel dispensers.

No adjoining and/or nearby RECs have been identified.

Recommendations

These RECs have been brought to the attention of the client within the requirements of the ASTM Standard Designation E-1527-13.

Verification of the presence or absence of contaminants potentially associated with these RECs may be determined through a Phase II investigation at the request of the client. Cost/risk analysis decisions associated with further investigation of these conditions are the decision of the client.

The summary presented above is general in nature and should not be considered apart from the entire text of the report, which contains the qualifications, considerations and subject property details mentioned herein. Details of findings and conclusions are elaborated upon in this report.

This report has been reviewed for its completeness and accuracy. Please feel free to contact our office at 877.313.2991 to discuss this report.

REPORT PREPARED BY:

PM Environmental, Inc.

Handwritten signature of Bryant J. Hengst in black ink.

Bryant J. Hengst
Staff Consultant

REPORT REVIEWED BY:

PM Environmental, Inc.

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Shawn Shadley
Regional Due Diligence Manager

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Beth Sexton
National Due Diligence Manager

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FIGURES

Figure 1: Site Location Map

Figure 2: Generalized Diagram of the Subject Property and Surrounding Area

APPENDICES

Appendix A: Property Photographs from Site Reconnaissance

Appendix B: Correspondence and Supporting Documentation

Appendix C: Previous Site Investigations

Appendix D: Regulatory Database and File Review Correspondence

Appendix E: Professional Resumes

Appendix F: Acronyms and Terminology, Scope of Work, ASTM Reference Document, and User's Continuing Obligations under CERCLA

1.0 INTRODUCTION

This Phase I ESA was conducted in accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries {(AAI), 40 CFR Part 312} and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-13* (ASTM Standard Practice E 1527-13).

THIS REPORT WAS PREPARED FOR THE EXCLUSIVE USE OF TKKA PROPERTIES LLC AND GRAND RAPIDS BROWNFIELD REDEVELOPMENT AUTHORITY, EACH OF WHOM MAY RELY ON THE REPORT'S CONTENTS.

PM acknowledges that these parties may rely on the contents and conclusions presented in this report. Unless stated otherwise in writing, PM makes no other warranty, representation, or extension of reliance upon the findings of this report to any other entity or third party.

1.1: Property Overview

Subject Property Location/Address	802 Alpine Avenue NW, Grand Rapids, Kent County, Michigan
Number of Parcels and Acreage	One parcel containing 0.15 acres
Number of Building(s) and Square Footage	A single-story commercial building containing 2,244 square feet
Current Property Use	Automotive transmission repair shop
Current Zoning	TBA: Traditional Business Area

The subject property location is depicted on Figure 1, Site Location Map. A diagram of the subject property and adjoining properties is included as Figure 2, Generalized Diagram of the Subject Property and Surrounding Area. Photographs taken during the site reconnaissance are included in Appendix A.

1.2: Purpose and Scope of Services

The purpose of this Phase I ESA was to evaluate the current and historical conditions of the subject property in an effort to identify *recognized environmental conditions* (RECs), *controlled recognized environmental conditions* (CRECs), and *historical recognized environmental conditions* (HRECs) in connection with the subject property. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs, CRECs, and HRECs in connection with the subject property.

Acronyms and terms used in this report are described in Appendix F. Additionally, PM's scope of services is included in Appendix F.

1.3: Significant Assumptions

Pursuant to ASTM Standard Practice E 1527-13, PM assumes that the information provided by all sources and parties, including the User, is accurate and complete, except where obvious inconsistencies or inaccuracies were identified.

1.4: Limitations, Deviations, and Special Terms and Conditions

There are no deviations from the ASTM Standard. Non-ASTM Scope considerations are included in Section 11.0. Any physical limitations identified during the completion of this report are referenced in Section 7.0.

Due to changing environmental regulatory conditions and potential on-site or adjacent activities occurring after this assessment, the client may not presume the continuing applicability to the subject property of the conclusions in this assessment for more than 180 days after the report's issuance date, per ASTM Standard Practice E 1527-13.

To the best of PM's knowledge, no special terms or conditions apply to the preparation of this Phase I ESA that would deviate the scope of work from the ASTM Standard Practice E 1527-13.

PM was not provided with a copy of the recorded land title records for subject property by the client and was not requested to complete a title search. Therefore, PM cannot comment on any potential relevant information that may have been obtained through review of these records.

2.0 USER PROVIDED INFORMATION

The ASTM Standard defines a User as "the party seeking to use Practice E 1527 to complete an environmental site assessment. A User may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager." The User has specific obligations for completing a successful application of this practice as outlined in Section 6 of the ASTM Standard Practice E 1527-13.

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfield's Revitalization Act of 2001 (the "Brownfield's Amendments") (if desired), the User must provide certain information (if available) identified in the User Questionnaire to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

The following responses were provided by the User. A copy of the completed User Questionnaire is included in Appendix B.

Question	Response
Name of Preparer and User Entity	Mr. David Lee Parm; TKKA Properties LLC
Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?	No
Are you aware of any Activity and Use Limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?	No

Question	Response
As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	Yes; automotive repair (oil, antifreeze, etc.)
Does the purchase price being paid for this property reasonably reflect the fair market value of the property?	Yes
If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	Not applicable
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user:	
Do you know the past uses of the property?	No
Do you know of specific chemicals that are present or once were present at the property?	No
Do you know of spills or other chemical releases that have taken place at the property?	No
Do you know of any environmental cleanups that have taken place at the property?	No
As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?	No

2.1: Recorded Land Title Records

PM was not provided with land title records for the subject property by the User and was not requested to complete a chain of title for the subject property. PM reviewed reasonably ascertainable environmental liens and activity and use limitation documents, which are further discussed in Section 4.10. Based upon the information reviewed as part of this Phase I ESA, PM has not identified the lack of provided land title records as a data failure that represents a significant data gap.

2.2: Reason for Performing this Phase I ESA

According to the User, this Phase I ESA was conducted as part of environmental due diligence related to purchasing the subject property.

3.0 PHYSICAL SETTING

PHYSICAL SETTING INFORMATION FOR THE SUBJECT PROPERTY AND SURROUNDING AREA		SOURCE
Topography: Refer to Figure 1 for an excerpt of the Topographic Map		
Site Elevation	600-610 feet above mean sea level (msl)	United States Geological Survey Division (U.S.G.S.)
Topographic Gradient	East	

PHYSICAL SETTING INFORMATION FOR THE SUBJECT PROPERTY AND SURROUNDING AREA		SOURCE
Closest Surface Water	Grand River, located approximately 3,300 feet east of the subject property at an elevation of 600 feet above msl	7.5-Minute Topographic Map of the Grand Rapids West, Michigan Quadrangle, 1996
General Soil Characteristics: Refer to Appendix B for a copy of the soil survey map and soil type descriptions		
Soil Type	Urban land-Spinks complex, 0 to 8 percent slopes	United States Department of Agriculture, Custom Soil Resource Report for Kent County, Michigan (survey area data from September 2014)
Description	Urban land comprises 60 percent of this soils composition. These areas are covered with airports, shopping centers, parking lots, large buildings, streets, or sidewalks. Spinks and similar soils comprise 35 percent of this soils composition. A typical soil profile consists of sand to a depth of ten inches below ground surface (bgs), underlain by loamy sand to 60 inches bgs. The permeability is high for this soil. The corrosivity for steel is low, but moderate for concrete.	
Area Specific Geology/Hydrogeology Characteristics:		
Geology	Geology generally consists of sand to a depth of 10.0 feet bgs, silty clay to 12.0 feet bgs, underlain by limestone	Previous site investigations for the subject property
Hydrogeology	No groundwater was encountered during previous site assessment activities	
Oil and Gas Wells:		
Current Oil and Gas Wells on Subject Property	None identified	MDEQ Geologic Survey Division (GSD) web site
Historical Oil and Gas Wells On Subject property	None identified	

4.0 RECORDS REVIEW

PM reviewed reasonably ascertainable records to identify obvious uses of the subject property from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. Reasonably ascertainable records reviewed as part of this Phase I ESA documented the use of the property back to 1888. Data failure occurred prior to that date. In PM's professional opinion, this data failure does not represent a significant data gap.

4.1: Aerial Photographs and Sanborn Maps

PM reviewed reasonably ascertainable aerial photographs for the subject property area. The sources and years reviewed are identified in the table below. Relevant aerial photographs are included in Appendix B.

PM reviewed reasonably ascertainable Sanborn Fire Insurance Maps for the subject property area, which were obtained from EDR. The sources and years reviewed are identified in the table below. Relevant Sanborn Maps are included in Appendix B.

The following table summarizes the sources reviewed and the information obtained about the subject property from these sources. Information obtained about the adjoining properties from these sources is summarized in Section 8.0.

Aerial and Sanborn Summary for the Subject Property

Year and Source	Summary of Information
1888 Sanborn Map (EDR)	A residence is present in the northern portion of the property, which includes a dwelling and stable. A residence is present in the southeastern portion of the property, which includes a dwelling. A commercial building is present in the southwestern portion of the property and is occupied by a general storefront.
1895 Sanborn Map (EDR)	An addition has been completed to the western portion of the stable in the northern portion of the property. An addition has been completed to the northern portion of the dwelling in the southeastern portion of the property. An addition has been completed to the eastern portion of commercial building in the southwestern portion of the property, which is occupied by a general storefront. The remaining portions of the property appear to be similar to the previous Sanborn year.
1913 Sanborn Map (EDR)	The stable in the northern portion of the property has been demolished. The remaining portions of the property appear to be similar to the previous Sanborn year.
1938 Aerial (EDR)	The residences in the northern and southeastern portions of the property, and the commercial building in the southwestern portion have been demolished. The property appears to be developed; however, due to the scale and resolution, more definitive details could not be determined.
1950 Sanborn Map (EDR)	A commercial building is present in the central portion of the property, which is occupied by a gasoline filling station. A canopy extends off of the southwestern portion of the building. A gasoline UST is depicted to the south of the building.
1953 Sanborn Map (EDR)	Similar to the previous Sanborn year.
1960 Aerial (EDR)	The layout is generally consistent with the previous Sanborn year.
1965 Sanborn Map (EDR)	The layout is generally consistent with the previous aerial year; however, automotive repair is depicted in the northern portion of the building.
1967 Aerial (EDR)	The commercial building and canopy in the central portion of the property have been demolished. The property has been redeveloped with the current building in the central portion of the property. This layout is similar to the current layout.
1968 Sanborn Map (EDR)	The layout is generally consistent with the previous aerial year. The building is identified as an automotive repair shop.
1973 Aerial (Kent County)	The layout is generally consistent with the previous Sanborn year.
1978 Aerial (Kent County)	Similar to the previous aerial year.
1981 Aerial (EDR)	Similar to the previous aerial year.
1984 Sanborn Map (EDR)	The layout is generally consistent with the previous aerial year.
1986 Aerial (EDR)	The layout is generally consistent with the previous Sanborn year.

Year and Source	Summary of Information
1989 Aerial (Kent County)	Similar to the previous aerial year.
1993 Aerial (EDR)	Similar to the previous aerial year.
1999 Aerial (EDR)	Similar to the previous aerial year.
2005 Aerial (EDR)	Similar to the previous aerial year.
2006 Aerial (EDR)	Similar to the previous aerial year.
2009 Aerial (EDR)	Similar to the previous aerial year.
2010 Aerial (EDR)	Similar to the previous aerial year.
2012 Aerial (EDR)	Similar to the previous aerial year.

A summary of this information along with other historical sources is included in Section 6.0.

4.2: Local Street Directories

Reasonably ascertainable local street directories for Grand Rapids, Michigan were researched. Directories were available from 1904 to 2015. Directories were researched in at least five-year increments, when available. It should not be construed that the earliest date represented is the initial date of occupancy.

PM also reviewed listings for adjoining commercial properties. Information from the listings reviewed is included in Section 8.0.

Subject Property: 802 Alpine Avenue NW

2015-1982	North End Transmission
1978-1977	North End Transmission Automatic Transmission Parts
1973-1972	North End Transmission
1968-1914	Not Listed
1909-1904	Street Listed, Addresses Not Listed

Historical Subject Property Address: 800 Alpine Avenue NW

2015-1914	Not Listed
1909-1904	Street Listed, Addresses Not Listed

Historical Subject Property Address: 808 Alpine Avenue NW

2015-1934	Not Listed
1929	Vacant
1924	Not Listed
1919-1914	Residential
1909-1904	Street Listed, Addresses Not Listed

Historical Subject Property Address: 761 7th Street NW

2015-1934 Not Listed
1929-1914 Residential
1909-1904 Street Listed, Addresses Not Listed

Historical Subject Property Address: 763 7th Street NW

2015-1972 Not Listed
1968-1962 North End Transmission
1959 Bob's Service
1954 Seventh Street Texaco, filling station
1949 Skiver's Service Station, filling station and auto repair
1944-1929 Not Listed
1924-1914 Residential
1909-1904 Street Listed, Addresses Not Listed

Historical Subject Property Address: 765 7th Street NW

2015-1949 Not Listed
1944 Dutkiewicz, filling station
1939 Schultz Service, filling station
1934-1929 National Refrigeration Company, filling station
1924-1919 Jakubowski, grocery
1914 Residential
1909-1904 Street Listed, Addresses Not Listed

A summary of this information along with other historical sources is included in Section 6.0.

4.3: Assessing Department

Reasonably ascertainable assessment information provided by the City of Grand Rapids Assessing Department was obtained and reviewed. Assessing records document that the subject property consists of one parcel containing 0.15 acres and is developed with a 2,244 square foot building that was reportedly rebuilt from an existing building in 1967. A historical field card was included in the records reviewed which documented that during construction activities in 1967, the original north wall of the former commercial building provided central roof support for the current commercial building. Copies of available assessment records for the subject property and the current legal description are included in Appendix B.

4.4: Building Department

PM reviewed City of Grand Rapids Building Department records for the subject property. Copies of relevant information obtained from the department are included in Appendix B. The table below describes the permit issued, the date of issuance, and the reason for issue.

Building Permit Information

Permit Number	Date of Issuance	Reason For Issue
42082	06-12-1945	Construct 28'x44' garage addition

Permit Number	Date of Issuance	Reason For Issue
44663	12-17-1951	Oil unit heater
86380	07-17-1958	Appeal to sell used cars
8699	12-21-1960	Appeal for 1 st class garage
19067	12-18-1962	Appeal to have 1 st class garage
23452	10-15-1963	Gas unit heater
30675	03-17-1965	Appeal for 1 st class garage, use with service station
9374	02-06-1967	Appeal for 1 st class garage in C-1 zone & side yard
10758	05-25-1967	Building one-story commercial building and steel addition (53'x16')

4.5: Fire Department

Reasonably ascertainable assessment information provided by the City of Grand Rapids Fire Department was obtained and reviewed. Fire records included several inspection reports completed between 1988 and 2008. According to a chemical survey completed in January 1995, chemicals were observed, but were below the specified quantity allowed on-site during that time.

Fire records also included documentation from May 1986, which indicates that two 1,500-gallon USTs and a 1,000-gallon UST were removed from the property. The contents of the UST were not documented, and the location of the USTs was not provided. A 6,000-gallon gasoline UST was reportedly removed in January 1990; however, based on review of MDEQ file information, this UST contained used oil. Refer to Section 4.8 for a summary of the former UST systems.

4.6: Health Department

PM submitted a Freedom of Information Act (FOIA) request to the Kent County Health Department to review records for the subject property. PM received a written response from a representative of the department indicating no files were available for the subject property.

4.7: Utilities

4.7.1: Municipal Water/Water Wells

The subject property is currently connected to municipal water. PM interviewed a representative of the City of Grand Rapids Public Works Department, who indicated the property was connected to municipal water in 1967, which is consistent with the construction of the current building. The representative indicated that municipal water mains were originally installed in the area of the property in 1888. Based upon this information, the former buildings on the property were likely connected to municipal water during initial construction. No records of private water wells have been identified through review of reasonably ascertainable information.

4.7.2: Sanitary Sewer/Septic System

The subject property is currently connected to municipal sewer. PM interviewed a representative of the City of Grand Rapids Public Works Department, who indicated the property was connected to municipal sewer in 1967, which is consistent with the construction of the current building. The representative indicated that municipal sewer mains were originally installed in the area of the property in 1888. Based upon this information, the former buildings on the property were likely

connected to municipal sewer during initial construction. No records of private septic fields have been identified through review of reasonably ascertainable information.

4.7.3: Heat Source

The subject property is connected to natural gas, which is supplied by DTE Energy (DTE). PM attempted to obtain an initial tap date from DTE; however, no records were available. PM obtained a distribution map, which indicates that natural gas has been available in the area of the property since at least 1994, which is not consistent with the construction of the current building. However, based on records obtained from the City of Grand Rapids Building Department, the former commercial building utilized natural gas heaters in at least 1963. Based upon this information, the current building was likely connected to natural gas during construction in 1967.

According to City of Grand Rapids Building Department records, the former commercial building utilized an oil heater in at least 1951. PM was unable to determine the heat source for the building from at least 1929 until 1967. Given the use of an oil heater in at least 1951, it is likely that a fuel oil above-ground storage tank (AST) or underground storage tank (UST) was used during that time. **The potential exists for orphan USTs to be present on the property and/or for a release to have occurred, which represents a REC.**

PM was unable to determine the heat source for the former residences and original commercial building that were present on the subject property from at least 1888 until 1924. It is PM's professional opinion that fuel oil was not commonly utilized until the early 1920s, and based upon this information, the buildings likely utilized coal or wood as a fuel source.

4.8: Underground Storage Tank (UST) Systems

The subject property contained four former USTs. The following table indicates the size of the UST, contents, location (if known), the dates of installation and removal, and the source of the information.

Historical UST Information

Size	Contents	Location	Date Installed	Date Removed	Source
1,000-gallon	Unknown	Unknown	Unknown	1986	Fire Dept. & MDEQ
1,500-gallon	Unknown	Unknown	Unknown	1986	Fire Dept.
1,500-gallon	Unknown	Unknown	Unknown	1986	Fire Dept.
6,000-gallon**	Used Oil	South of the current building	Unknown	1990	Fire Dept. & MDEQ

**Several documents received from the MDEQ also identify this UST as a 5,000-gallon used oil UST; however, during removal activities it was determined that the tank had a capacity of 6,000-gallons.

According to information obtained from the Michigan Department of Environmental Quality (MDEQ) and City of Grand Rapids Fire Department, the property formerly contained two 1,500-gallon USTs and a 1,000-gallon UST that were reportedly removed in 1986. The contents of the USTs were not documented, and the location of the USTs was not provided. Additionally, PM was unable to confirm whether these USTs were the only USTs associated with the service station

operations from 1929 until 1959. **The potential exists for orphan USTs to be present and/or for a release to have occurred from the former UST systems and/or fuel dispensers, which represents a REC.**

According to the information received from the MDEQ, a confirmed release (C-0390-90) was reported on January 23, 1990, and was based upon petroleum vapors detected during the removal of the 6,000-gallon used oil UST that was formerly located south of the current building. Refer to Section 4.9 for additional information.

4.9: Previous Environmental Reports

PM reviewed the following previous environmental reports for the subject property. Relevant portions of the reports are included in Appendix C.

Name of Report	Date of Report	Company that Prepared Report
Report of UST Closure and Initial Abatement Measures	February 1990	Superior Environmental Corporation (Superior)
Report of Findings	November 1990	Alderink and Associates, Inc. (Alderink)
Report of Findings	July 1991	Alderink
Results of Subsurface Investigations	December 1991	Alderink

4.9.1: Summary of Previous Environmental Reports

According to the information received from the MDEQ, a confirmed release (C-0390-90) was reported on January 23, 1990, and was based upon petroleum vapors detected during the removal of a former 6,000-gallon used oil UST that was located south of the current building. Approximately 100 cubic yards of soil was removed from the UST basin. A total of two soil borings (T1-A and T1-B) were advanced in the former UST basin. Groundwater was not encountered during the excavation activities. Soil samples were collected and analyzed for benzene, toluene, ethyl benzene, and xylene (BTEX) and total petroleum hydrocarbon (TPH) parameters. The analytical results confirmed contamination within the subsurface soil above the laboratory method detection limits, but below the current most restrictive Part 213 Risk Based Screening Levels (RBSLs). A composite sample was also collected from the excavated soil and analytical results confirmed contamination above the most restrictive Part 213 RBSLs.

The site investigation activities performed by Alderink in November 1990 included the advancement of five soil borings (SB-1 through SB-5) in the area of the former UST basin. Groundwater was not encountered during the site investigation activities. Soil samples were collected and analyzed for BTEX and polynuclear aromatic hydrocarbons (PNAs). The analytical results confirmed contamination within the subsurface soil above the laboratory method detection limits, but were below the current most restrictive Part 213 RBSLs.

The site investigation activities performed by Alderink in July 1991 included the advancement of five soil borings (HA-1 through HA-5) to further delineate the extent of contamination as well as verify diminishing concentrations of contaminated soil. Groundwater was not encountered during the site investigation activities. Soil samples were collected and analyzed for BTEX. The analytical results confirmed contamination consisting of ethylbenzene and xylene within the subsurface soil above the most restrictive Part 213 RBSLs for Groundwater Surface Water Interface Protection (GSIP) criteria.

The site investigation activities performed by Alderink in December 1991 included the advancement of five soil borings (HA-6 through HA-10) to further delineate the extent of contamination as well as verify diminishing concentrations of contaminated soil. Groundwater was not encountered during the site investigation activities. Soil samples were collected and analyzed for BTEX. The analytical results confirmed contamination within the subsurface soil above the laboratory method detection limits, but were below the most restrictive Part 213 RBSLs.

No significant deficiencies were identified for the previous site assessment activities.

The MDEQ granted a Type B LUST Closure in January 1992. Review of site assessment activities completed in 1991 documents that no subsurface contamination associated with the release remains on-site above the most restrictive Part 213 RBSLs. Based on the closed LUST status and documented site assessment activities which were adequate to assess the former release, PM has identified the closed LUST status as an HREC.

Based upon review of the previous subsurface investigations completed in 1991, soil contamination is present which exceeds the current Part 201 Residential and Nonresidential Generic Cleanup Criteria. Review of previous site investigation activities documents that the exceedances are within the building footprint and therefore are not associated with the former release. The soil contamination is likely associated with the long-term service operations that have been present on the property since the 1920s. Based on these analytical results, the subject property would be classified as a "facility," as defined by Part 201 of P.A. 451 of the Michigan Natural Resources Environmental Protection Act (NREPA), as amended. **The known contamination on the subject property represents a REC.**

4.10: Environmental Liens, Activity and Use Limitations, and Government Institutional and Engineering Controls

PM has not identified any record of environmental liens, activity and use limitations, or institutional controls or engineering controls associated with the subject property through review of reasonable ascertainable records.

5.0 INTERVIEWS

The objective of completing interviews with knowledgeable site contacts is to obtain information about the uses and physical characteristics of the property. In general, interviewees supported the information reviewed from other historical sources (i.e. aerial photos, city records, etc.).

Represents	Interviewed	Name and Title	Length of Time Associated with Subject Property	Comments
Current Property Owner	Yes	Mr. David Sherd, the current owner	54 years	Mr. Sherd indicated that his father originally purchased the subject property in 1967. Mr. Sherd later purchased the property from his father in 1988. According to Mr. Sherd, the current transmission repair operation has occupied the subject property since 1961. Other information from this interview is referenced throughout this report.
Former Property Owner	Yes/No	Not applicable	Not applicable	Contact information for the former owner was not reasonably ascertainable or provided by the User.
Key Site Manager	Yes	Mr. David Sherd, the current owner	54 years	Refer to the Current Property Owner section for additional information.
Current Occupant(s)	Yes	Mr. David Sherd, the current owner	54 years	Refer to the Current Property Owner section for additional information.
Former Occupant(s)	No	Not applicable	Not applicable	Contact information for the former occupants was not reasonably ascertainable or provided by the User.
Other(s)	No	Not applicable	Not applicable	No other relevant interviews were conducted as part of this Phase I ESA.

6.0 SUMMARY OF HISTORICAL USE

Standard and other historical sources were able to document that the subject property was originally developed as a mixed-use property prior to 1888. Original development included two residences and a commercial building, all of which were demolished by 1929. Former commercial occupants included a grocery store from at least 1919 until 1924. The occupants associated with the original commercial building from initial construction prior to 1888 until 1919 could not be determined through review of historical sources; however, based on the layout of the building and the known past uses, the tenants were likely commercial in nature and included similar retail operations. The property was redeveloped between 1924 and 1929 with a commercial building in the central portion of the property, which was demolished by 1967. Former occupants included a gasoline service station from at least 1929 until 1959 and an automotive transmission repair shop from 1961 until 1967. The current building was constructed in the central portion of the property in 1967, and has been occupied by an automotive transmission repair shop since that time.

Historical interior waste streams associated with the current and former operations would have consisted of general hazardous substances and/or petroleum products. A significant portion of this time period preceded major environmental regulations and current waste management and

disposal procedures. The historical waste management practices associated with the current and former operations are unknown and may be a source of subsurface contamination, which represents a REC.

7.0 SUBJECT PROPERTY RECONNAISSANCE

Reconnaissance Information	
PM Field Personnel:	Mr. Bryant Hengst
Site Reconnaissance Date:	January 6, 2015
Weather Conditions:	12°F and overcast
Escort:	Mr. David Sherd
Limitations:	Interior observations were limited by automobiles and other miscellaneous storage

7.1: Subject Property Observations

The subject building contains a total of 2,244 square feet of floor space, which is divided into an office, a lobby area, a shop area, and bathrooms.

Interior finish materials in the building generally include drywall walls and/or open metal-deck ceilings; concrete block walls; and poured concrete flooring. The entire building is on a poured concrete foundation.

Exterior pavement is present north and south of the building. The remainder of the property contains groomed grass and landscaped areas.

The following table summarizes the site observations. Affirmative responses are discussed in more detail following the table.

Category	Feature	Observed
Interior Equipment	Elevators	No
	Air Compressors	Yes
	Incinerators	No
	Waste Treatment Systems	No
	Presses/Stamping Equipment	No
	Press Pits	No
	Hydraulic Lifts or In-ground hoists	Yes
	Paint Booth	No
	Plating Tanks	No
	Lathes, Screw Machines, etc.	No
Aboveground Chemical or Other Waste Storage or Waste Streams	Aboveground Storage Tanks (ASTs)	No
	Drums, Barrels and/or Containers > 5 gallons	Yes
	Chip Hoppers	No
	Hazardous or Petroleum Waste Streams	Yes
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground Storage Tanks	No
	Fuel Dispensers	No
	Sumps or Cisterns	No
	Dry Wells	Yes
	Oil/Water Separators	No
	Floor Drains, Trench Drains, etc.	No
	Pipeline Markers	No

Category	Feature	Observed
Exterior Observations	Stressed Vegetation	No
	Stained Soil or Pavement	No
	Monitoring Wells	No
	Pad or Pole Mounted Transformers and/or Capacitors	No
	Soil Piles of Unknown Origin	No
	Exterior Dumpsters with Staining	No
	Leachate or Other Waste Seeps	No
	Trash, Debris, and/or Other Waste Materials	No
	Uncontrolled Dumping or Disposal Areas	No
	Surface Water Discoloration, Sheen or Free Product	No
	Strong, Pungent or Noxious Odors	No
	Storm water retention or detention ponds	No
	Pits, Ponds, Lagoons	No

Air Compressors: PM observed an air compressor elevated in the shop area within the building (see Figure 2). PM did not observe a discharge hose associated with the compressor. No staining or evidence of poor waste management was observed at the base of the compressor. The concrete in the area of the compressor appeared to be in generally good condition. Based on the observed site conditions, PM has not identified the air compressor as a REC.

Hydraulic Lifts or In-Ground Hoists: PM observed four in-ground hoists in the shop area within the current building (see Figure 2). According to the site representative, two of the hoists were installed in 1967. The installation dates of the remaining two hoists were unknown. In-ground hoists have an underground reservoir for hydraulic fluids, which can contain PCBs. **The potential exists that a release occurred from the former hydraulic hoist system and/or underground reservoir, which represents a REC.**

Drums, Barrels, and/or Containers > 5-gallons: PM observe two 55-gallon drums of cleaning solvent in the shop area within the current building (see Figure 2). The drums were not staged within secondary containment. No staining or evidence of poor waste management was observed at the base of the drums. The concrete in the area of the drums appeared to be in generally good condition. Based on the observed site conditions, PM has not identified the 55-gallon drum storage as a REC. PM recommends that the drums be placed in secondary containment to implement good housekeeping practices.

Hazardous or Petroleum Waste Streams: PM observed a large parts washer in the shop area within the building (see Figure 2). No staining or evidence of poor waste management was observed at the base of the parts washer. According to the site representative, the parts washer is serviced by Crystal Clean on an as needed basis. Based on the observed site conditions, PM has not identified the parts washer as a REC.

Dry Wells: PM observed two dry wells in the shop area within the building (see Figure 2). The original installation date of the dry wells is unknown. According to the site representative, the dry wells are pumped by Crystal Clean on an as needed basis. The integrity of the dry wells in the building is unknown. Historical interior waste streams associated with the transmission repair operations would have consisted of general hazardous substances and/or petroleum products. A portion of this time period preceded major environmental regulations and current waste management and disposal procedures. Based upon the age of the building, the potential exists for failure of the dry wells (i.e. cracks, leaks) to have occurred over time. **The current and**

historical waste management practices associated with the dry wells are unknown and could be a source of subsurface contamination, which represents a REC.

7.1.1: Current Operations

Current business operations consist of repair of automotive transmissions.

8.0 ADJOINING PROPERTIES

The following paragraphs provide information about the adjoining properties obtained during the site reconnaissance and through review of reasonably ascertainable information.

North Adjoining Property

The north adjoining property is currently and has historically been residential dating back to at least 1888.

East Adjoining Property

The east adjoining property is currently and has historically been residential dating back to at least 1888.

South Adjoining Properties, across 7th Street NW

The south adjoining property, identified as 766 7th Street NW, is currently occupied by Matthew's House Ministry. Review of historical sources indicates that this property was originally developed for residential purposes prior to 1888. This property was redeveloped between 1888 and 1895 with the current building. The building has historically been utilized for residential purposes; however, former occupants included an office operation in at least 1914, various grocery stores from at least 1924 until 1949, a sign painter in at least 1949, a restaurant in at least 1959, and various office operations from at least 1977 until 2001. The building was reportedly unoccupied in at least 1919, 1944, and 1954. The occupants associated with this property from at least 1888 until 1914 and from 2001 until 2013 could not be determined through review of historical sources; however, based on the layout of the building and the known past uses, the tenants were likely commercial in nature. This property has been occupied by the current operations since at least 2013. Based on the assumed groundwater flow to the east (cross-gradient to the subject property), distance from the subject property to the building of operation (approximately 65 feet), and PM's extensive experience in assessing similar properties, PM has not identified the former operations as a REC.

The southwest adjoining property, identified as 800-802 7th Street NW, contains commercial building that is currently unoccupied. Review of historical sources indicates that this property was originally developed for residential purposes prior to 1888. This property was redeveloped between 1913 and 1919 with the current building. Former occupants included an office operation in at least 1919, a pharmacy from at least 1924 until 1959, a salon from at least 1967 until 1987, and a screen printing operation from at least 1990 until 2007. The building has been unoccupied since at least 2014. The occupants associated with this property from at least 2007 until 2014 could not be determined through review of historical sources; however, based on the layout of the building and the known past uses, the tenants were likely commercial in nature. Based on the assumed groundwater flow to the east (cross-gradient to the subject property), distance from the

subject property to the building of operation (approximately 100 feet), and PM's extensive experience in assessing similar properties, PM has not identified the former operations as a REC.

The remaining south adjoining properties are currently and have historically been residential dating back to at least 1888.

West Adjoining Properties, across Alpine Avenue NW

The west adjoining property is currently and has historically been residential dating back to at least 1888.

9.0 REGULATORY RECORDS REVIEW

PM retained EDR to provide current regulatory database information compiled by a variety of federal and state regulatory agencies. A copy of the complete database is included in Appendix D. The following information was obtained:

Type	Regulatory Agency Database	Approximate Minimum Search Distance (AMSD)	Number of Sites within AMSD
Federal	National Priority List (NPL) Sites	1 mile	0
Federal	Delisted National Priority List (DNPL) Sites	½ mile	0
Federal	Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Sites	½ mile	0
Federal	CERCLIS No Further Remediation Action Planned (NFRAP) Sites	½ mile	1
Federal	Resource Conservation and Recovery Act (RCRA) Corrective Action Report (CORRACTS) Sites	1 mile	0
Federal	RCRA non-CORRACTS Treatment, Storage or Disposal (TSD) Sites	½ mile	0
Federal	RCRA Large Quantity Generators (LQG) Sites	subject property and adjoining properties	0
Federal	RCRA Small Quantity Generators (SQG) Sites	subject property and adjoining properties	0
Federal	RCRA Conditionally Exempt Small Quantity Generators (CESQG) Sites	subject property and adjoining properties	0
Federal	RCRA Non-Generators (NON-GEN) Sites	subject property and adjoining properties	1
Federal	Institutional Control / Engineering Control Registries	subject property	0
Federal	Environmental Response and Notification System (ERNS)	subject property	0
Federal	US Brownfields	½ mile	5
State & Tribal	Hazardous Waste Sites (HWS) (equivalents to NPL and CERCLIS)	1 mile	6
State & Tribal	Solid Waste Facilities/Landfill Sites (SWLF)	½ mile	0
State & Tribal	Leaking Underground Storage Tank (LUST) Sites	½ mile	10
State & Tribal	Registered Underground Storage Tank (UST) Sites	subject property and adjoining properties	1

Type	Regulatory Agency Database	Approximate Minimum Search Distance (AMSD)	Number of Sites within AMSD
State & Tribal	Institutional Control / Engineering Control Registries	subject property	0
State & Tribal	Brownfield Sites	½ mile	0
State & Tribal	Baseline Environmental Assessment (BEA) Sites	½ mile	19
Either	Unmappable Database Listings (a.k.a. Orphan Sites)	database-dependent	4

9.1: Subject Property and Occupant Listings

The regulatory database report identified the following listings for the subject property or its known occupants on the referenced databases:

North End Transmission Service – This property is identified as a WDS site, RCRA-NONGEN site, closed UST site, and closed LUST site with one reported release. According to the regulatory database, this property was most recently listed as a non-generator in December 2001, but was previously listed as a SQG in 1987 with no reported RCRA violations. Refer to Section 4.8 for a summary of the former UST system and Section 4.9 for a summary of the LUST site investigation activities.

9.2: Adjoining and Nearby Sites

PM's review of the referenced databases also considered the potential or likelihood of contamination from adjoining and nearby sites. To evaluate which of the adjoining and nearby sites identified in the regulatory database report present an environmental risk to the subject property, PM considered the following criteria:

- The type of database on which the site is identified.
- The topographic position of the identified site relative to the subject property.
- The direction and distance of the identified site from the subject property.
- Local soil conditions in the subject property area.
- The known or inferred groundwater flow direction in the subject property area.
- The status of the respective regulatory agency-required investigation(s) of the identified site, if any.
- Surface and subsurface obstructions and diversions (e.g., buildings, roads, sewer systems, utility service lines, rivers, lakes, and ditches) located between the identified site and the subject property.

Only those sites that are judged to present a potential environmental risk to the subject property and/or warrant additional clarification are further evaluated. Using the referenced criteria, and based upon a review of readily available information contained within the regulatory database report, PM did not identify adjoining (i.e., bordering) or nearby sites (e.g., properties within a ¼-mile radius) listed in the regulatory database report that were judged to present a potential environmental risk to the subject property, with the exception of the following:

Mike Wawee & Sons Auto Sales Inc. – This property is identified as 856 7th Street NW, and is located within one-eighth mile west of the subject property. Review of the regulatory database indicates that this property is identified as a RCRA-CESQG site, closed UST site, and closed LUST site with one reported release. Review of MDEQ file information indicates that a release was reported on July 14, 1999. The source of the release was unknown; however, it was later determined that the release likely occurred in the former UST basin. According to the most recent subsurface investigation activities completed in 1999, soil contamination consisting of VOCs, PNAs, and metals were identified above the most restrictive Part 213 Tier 1 RBSLs. No groundwater was encountered during the LUST closure activities. The contamination is limited to the property and is delineated towards the subject property. Based on the source removal, closed LUST status, delineation of contamination towards the subject property, distance from the subject property (approximately 600 feet), and PM's extensive experience in assessing similar properties, PM has not identified this property as a REC.

10.0 FINDINGS, OPINIONS AND CONCLUSIONS

10.1: De Minimis Condition

A de minimis condition, as defined in the ASTM Standard, is a condition that generally does not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not RECs or CRECs. No de minimis conditions were identified during this assessment.

10.2: Significant Data Gaps

A data gap, as defined in the ASTM Standard, is a lack of or inability to obtain information required by the ASTM Standard despite good faith efforts by the environmental professional to gather such information. The environmental professional must then determine whether these gaps are significant. PM did not identify or encounter any instances of significant data gaps during the course of this ESA.

10.3: Historical Recognized Environmental Conditions (HRECs)

An HREC, as defined in the ASTM Standard, is a past release of hazardous substances or petroleum products that has occurred in connection with the subject property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the subject property to any required controls. The following HREC was identified:

- The subject property is a closed Leaking Underground Storage Tank (LUST) site with one release reported in 1990, which was granted a Type B LUST Closure in 1992. The release was reported during removal of a 6,000-gallon used oil UST, located south of the subject building. Review of site assessment activities completed in 1991 documents that no subsurface contamination associated with the release remains on-site above the most restrictive Part 213 Risk Based Screening Levels (RBSLs). Based on the closed LUST status and documented site assessment activities which were adequate to assess the former release, PM has identified the closed LUST status as an HREC.

10.4: Controlled Recognized Environmental Conditions (CRECs)

A CREC, as defined in the ASTM Standard, is a recognized environmental condition (REC) resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. PM has not identified any CRECs in association with the subject property.

10.5: Recognized Environmental Conditions (RECs)

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Commercial Property located at 802 Alpine Avenue NW, Grand Rapids, Kent County, Michigan, the property. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions connected with the property except the following:

- The subject property was formerly occupied by a gasoline service station from at least 1929 until 1959 and has been occupied by an automotive transmission repair shops since 1961. Based upon review of the previous subsurface investigations completed in 1991, soil contamination is present which exceeds the current Part 201 Residential and Nonresidential Generic Cleanup Criteria. Review of previous site investigation activities documents that the exceedances are within the building footprint and therefore are not associated with the former release. The soil contamination is likely associated with the long-term service operations that have been present on the property since the 1920s. Based on these analytical results, the subject property would be classified as a "facility," as defined by Part 201 of P.A. 451 of the Michigan Natural Resources Environmental Protection Act (NREPA), as amended.
- The subject property has been occupied by various automotive service operations since at least 1929. Historical interior waste streams associated with the current and former operations would have consisted of general hazardous substances and/or petroleum products. A significant portion of this time period preceded major environmental regulations and current waste management and disposal procedures. The historical waste management practices associated with the current and former operations are unknown and may be a source of subsurface contamination.
- PM observed four in-ground hoists in the shop area within the current building. According to the site representative, two of the hoists were installed in 1967. The installation dates of the remaining hoists were unknown. In-ground hoists have an underground reservoir for hydraulic fluids, which can contain polychlorinated biphenyls (PCBs). The potential exists that a release occurred from the former hydraulic hoist system and/or underground reservoir.
- PM observed two dry wells in the shop area within the current building. The original installation date of the dry wells is unknown. According to the site representative, the dry wells are pumped by Crystal Clean on an as needed basis. The integrity of the dry wells is unknown. Historical interior waste streams associated with the automotive transmission repair shop would have consisted of general hazardous substances and/or petroleum products. A significant portion of this time period preceded major environmental regulations

and current waste management and disposal procedures. Based upon the age of the building, the potential exists for failure of the dry wells (i.e. cracks, leaks) to have occurred over time. The current and historical waste management practices associated with the dry wells are unknown and could be a source of subsurface contamination.

- According to information obtained from the City of Grand Rapids Building Department, the former commercial building utilized an oil heater in at least 1951. PM was unable to determine the heat source for the building from at least 1929 until 1967. Given the use of an oil heater in at least 1951, it is likely that a fuel oil above-ground storage tank (AST) or underground storage tank (UST) was used during that time. The potential exists for orphan USTs to be present on the property and/or for a release to have occurred.
- According to information obtained from the Michigan Department of Environmental Quality (MDEQ) and City of Grand Rapids Fire Department, the property formerly contained two 1,500-gallon USTs and a 1,000-gallon UST that were reportedly removed in 1986. The contents of the USTs were not documented, and the location of the USTs was not provided. Additionally, PM was unable to confirm whether these USTs were the only USTs associated with the service station operations from 1929 until 1959. The potential exists for orphan USTs to be present and/or for a release to have occurred from the former UST systems and/or fuel dispensers.

No adjoining and/or nearby RECs have been identified.

10.6: Recommendations

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the Commercial Property located at 802 Alpine Avenue NW, Grand Rapids, Kent County, Michigan, the property. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions connected with the property except as listed in Section 10.5 of this report.

Verification of the presence or absence of contaminants potentially associated with these RECs may be determined through a Phase II investigation at the request of the client. Cost/risk analysis decisions associated with further investigation of these conditions are the decision of the client.

11.0 NON-ASTM SCOPE CONSIDERATIONS/BUSINESS ENVIRONMENTAL RISKS

PM has included a discussion of Non-ASTM Scope Considerations based upon industry standards and lender requirements. A Business Environmental Risk is defined as a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice.

Non-ASTM Item	Observations or Information
Potential Asbestos Containing Building Materials (ACBM)	Based upon PM's limited visual observations during the site reconnaissance, suspect ACBMs identified included drywall walls and acoustical ceiling tiles. The materials appeared to be in good condition. Based on the 1967 construction date of the current building, the potential exists for ACMs to be present. However, if any significant demolition or renovation activities are planned, PM recommends that an ACM survey be completed by a qualified inspector.
Lead Based Paint	PM observed the painted surfaces in the current building to be in good condition with no apparent chipping or peeling. Based on the 1967 construction date of the current building, the potential exists for lead based paint (LBP) to be present.
Visual Mold or Significant Moisture Damage	PM did not observe any visual mold or moisture damage during the site reconnaissance.

12.0 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental professional* as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Shawn Shadley
Regional Due Diligence Manager



Beth Sexton
National Due Diligence Manager

13.0 REFERENCES

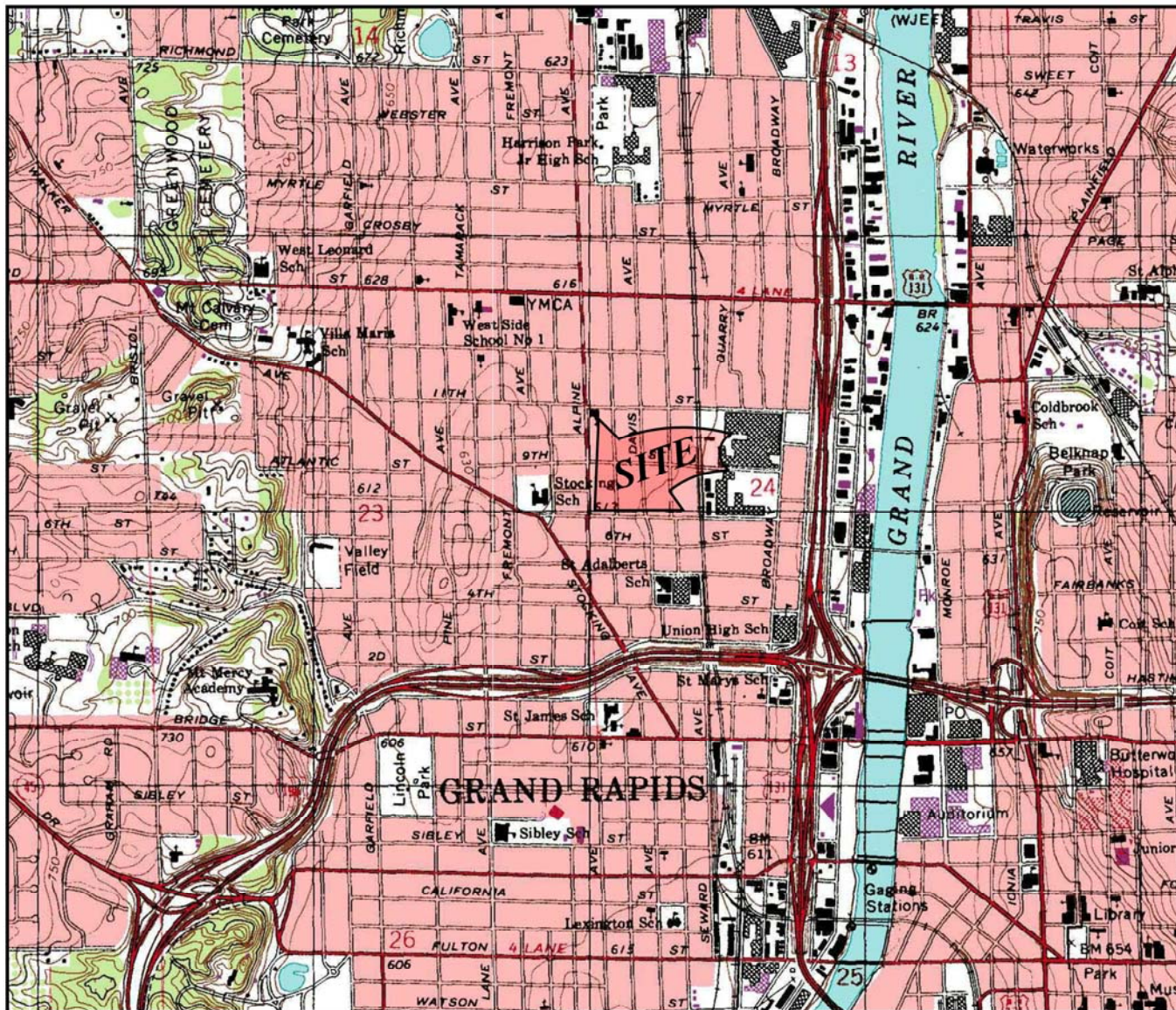
The following published sources were utilized during completion of this Phase I ESA:

- *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM, ASTM Designation E 1527-13, Published November 2013.
- Bresser's Cross-Index City Directories, Bresser's in Detroit, Michigan. City: Grand Rapids. Years: 1959-2015.
- R.L. Polk's Directories, obtained from the State of Michigan Library in Lansing, Michigan. City: Grand Rapids. Years: 1904-1954.
- United States Geological Survey Division (U.S.G.S.) 7.5 Minute Topographic Map Grand Rapids West, Michigan Quadrangle, 1996.
- United States Department of Agriculture, Custom Soil Resource Report for Kent County, Michigan (survey area data from September 2014).

In addition, PM reviewed the following previous site investigations, some of which are available from public sources.

Name of Report	Date of Report	Company that Prepared Report
Report of UST Closure and Initial Abatement Measures	February 1990	Superior Environmental Corporation (Superior)
Report of Findings	November 1990	Alderink and Associates, Inc. (Alderink)
Report of Findings	July 1991	Alderink
Results of Subsurface Investigations	December 1991	Alderink

Figures



KENT COUNTY

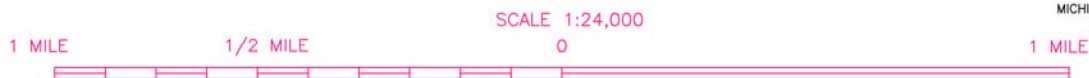
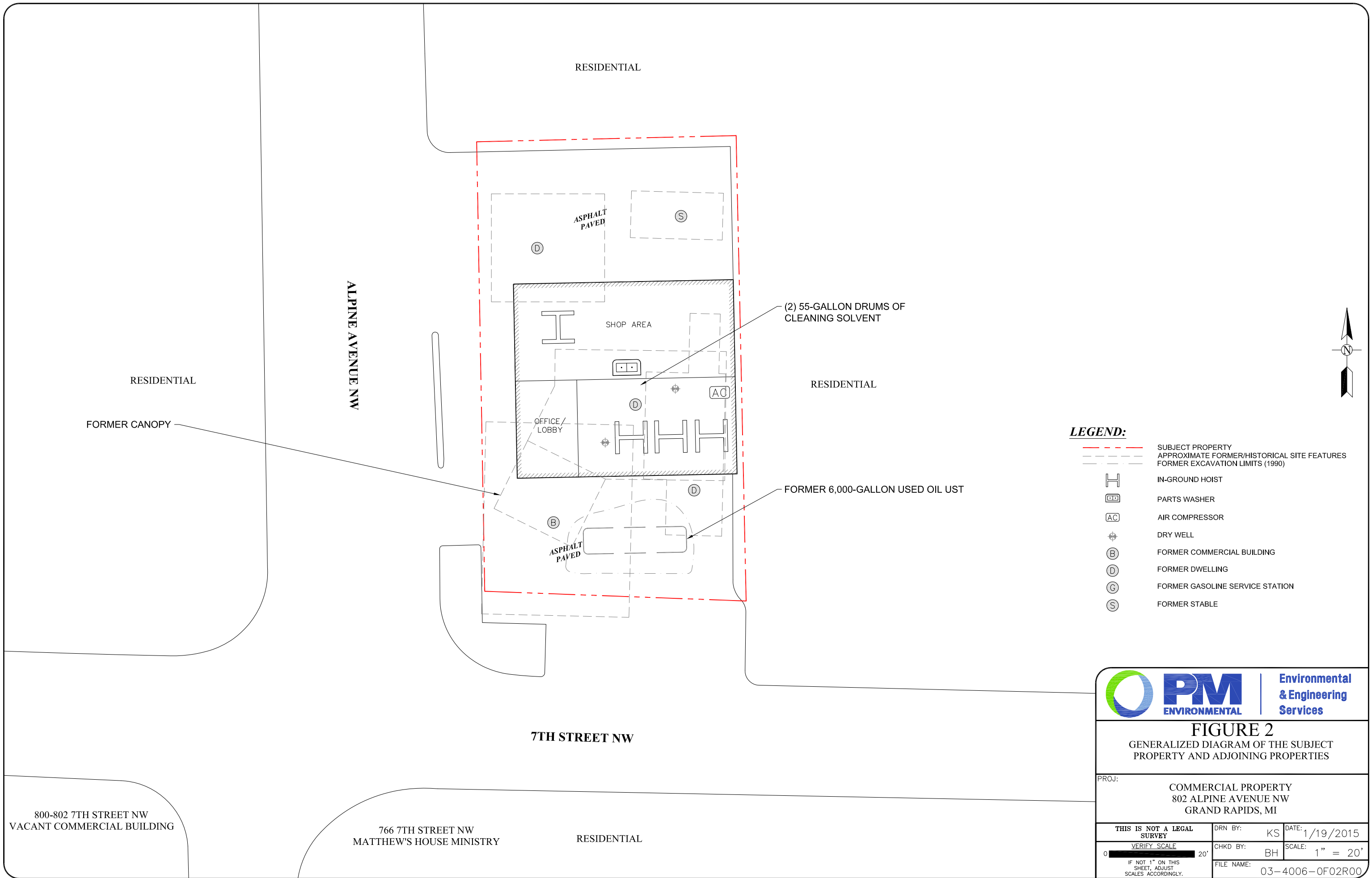


FIGURE 1
PROPERTY VICINITY MAP
USGS, 7.5 MINUTE SERIES
GRAND RAPIDS WEST, MI QUADRANGLE, 1996.



Appendix A

SITE PHOTOGRAPHS



Photographs From Site Reconnaissance
PM Project No. 03-4006-0
Location: 802 Alpine Avenue NW, Grand Rapids, Michigan

Photograph 1



The front and south face of the current building

Photograph 2



The north face of the current building



Photographs From Site Reconnaissance
PM Project No. 03-4006-0
Location: 802 Alpine Avenue NW, Grand Rapids, Michigan

Photograph 3



The west face of the current building

Photograph 4



General view of the subject building interior



Photographs From Site Reconnaissance
PM Project No. 03-4006-0
Location: 802 Alpine Avenue NW, Grand Rapids, Michigan

Photograph 5



General view of the subject building interior

Photograph 6



General view of the subject building interior



Photographs From Site Reconnaissance
PM Project No. 03-4006-0
Location: 802 Alpine Avenue NW, Grand Rapids, Michigan

Photograph 7



General view of the subject building interior
(in-ground hoist)

Photograph 8



General view of the subject building interior
(dry well)



Photographs From Site Reconnaissance
PM Project No. 03-4006-0
Location: 802 Alpine Avenue NW, Grand Rapids, Michigan

Photograph 9



General view of the north adjoining residential property

Photograph 10



General view of the east adjoining residential property



Photographs From Site Reconnaissance
PM Project No. 03-4006-0
Location: 802 Alpine Avenue NW, Grand Rapids, Michigan

Photograph 11



The south adjoining property, identified as 766
7th Street NW

Photograph 12



The southwest adjoining property, identified as
800-802 7th Street NW



Photographs From Site Reconnaissance
PM Project No. 03-4006-0
Location: 802 Alpine Avenue NW, Grand Rapids, Michigan

Photograph 13



General view of the west adjoining residential properties

Appendix B

USER QUESTIONNAIRE

Phase I ESA - ASTM User Questionnaire

Project Address: 802 Alpine Avenue NW, Grand Rapids, MI

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small business Liability relief and Brownfield's Revitalization Act of 2001 (the "Brownfield's Amendments") the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

Please answer the following questions to the best of your knowledge and return to PM Environmental, Inc. (PM) via facsimile (877-884-6775) or e-mail (hengst@pmenv.com).

1. Environmental Clean-up liens that are filed or recorded against the site (40 CFR 312.25)

Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

Yes ☐ No ☒

If so, please describe that type of liens:

2. Activity and land use limitations that are in place on the site or that have been filed in a registry (40 CFR 312.26)

Are you aware of any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

Yes ☐ No ☒

If yes, what type of AULs are you aware of?

3. Specialized knowledge or experience of the person seeking to qualify for a LLP (40 CFR 312.28)

As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and the processes used by this type of business?

Yes ☒ No ☐

If yes, what type of business are you associated with?

Auto Repair

What types of chemicals are used in your business?

oil, Antifreeze, etc.

All necessary Automotive Chemicals

Phase I ESA - ASTM User Questionnaire

Project Address: 802 Alpine Avenue NW, Grand Rapids, MI

4. Relationship to the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29)

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? ☒ Yes ☐ No

If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? ☐ Yes ☒ No

5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30)

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example as a user:

a. Do you know of the past uses of the property?

Yes ☒ No

If yes, please list what past uses are you aware of?

b. Do you know of specific chemicals that are present or once were present at the property?

Yes ☒ No

If yes, please list what chemicals you are aware of?

c. Do you know of spills or other chemical releases that have taken place on the property?

Yes ☒ No

d. Do you know of any environmental cleanups which have taken place on the property?

Yes ☒ No

If yes, do you have copies of any of the reports documenting the work?

Yes ☒ No

If you have any documentation of the previous environmental clean-up please provide copies to PME when you return this questionnaire.

Phase I ESA - ASTM User Questionnaire

Project Address: 802 Alpine Avenue NW, Grand Rapids, MI

6. The degree of the obviousness of the presence of likely presence of contamination at the property and the ability to detect the contamination by appropriate investigation (40CFR 312.31)

As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination on the property? **Yes** **No**

No

If yes, please comment on what those indicators are (i.e. lower purchase price, areas of staining, poor housekeeping, etc.):

User Name:

David Lee Parm

**Company Name
property is being
purchased under:**

T KKA Properties

Street Address:

856 Seventh St. NW

City, State, Zip code:

Grand Rapids 49504

User Phone Number:

616-690-4197

Signature of the User:

David Lee Parm

**Date Questionnaire was
completed on:**

01-18-15

SOIL SURVEY INFORMATION



United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for **Kent County, Michigan**




Custom Soil Resource Report Soil Map



Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)


Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit


 Clay Spot


 Closed Depression

 Gravel Pit

 Gravelly Spot


 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry


 Miscellaneous Water


 Perennial Water

 Rock Outcrop


 Saline Spot

 Sandy Spot

 Severely Eroded Spot


 Sinkhole

 Slide or Slip

 Sodic Spot


 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals


Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Kent County, Michigan
Survey Area Data: Version 13, Sep 16, 2014

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 13, 2012—Apr 6, 2012

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Kent County, Michigan (MI081)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
81B	Urban land-Spinks complex, 0 to 8 percent slopes	0.3	100.0%
Totals for Area of Interest		0.3	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Custom Soil Resource Report

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Kent County, Michigan

81B—Urban land-Spinks complex, 0 to 8 percent slopes

Map Unit Setting

National map unit symbol: 68sw
Elevation: 600 to 1,200 feet
Mean annual precipitation: 32 to 36 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 160 to 180 days
Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 60 percent
Spinks and similar soils: 35 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Spinks

Setting

Landform: Beach ridges
Landform position (two-dimensional): Summit, backslope
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy drift

Typical profile

H1 - 0 to 10 inches: sand
H2 - 10 to 16 inches: loamy sand
H3 - 16 to 60 inches: loamy sand, sand
H3 - 16 to 60 inches:

Properties and qualities

Slope: 0 to 8 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 6.4 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 3s
Hydrologic Soil Group: A

Minor Components

Thetford

Percent of map unit: 3 percent
Landform: Flats on outwash plains

Custom Soil Resource Report

Wasepi

Percent of map unit: 2 percent

Landform: Drainageways on outwash plains, drainageways on terraces

Soil Information for All Uses

Soil Reports

The Soil Reports section includes various formatted tabular and narrative reports (tables) containing data for each selected soil map unit and each component of each unit. No aggregation of data has occurred as is done in reports in the Soil Properties and Qualities and Suitabilities and Limitations sections.

The reports contain soil interpretive information as well as basic soil properties and qualities. A description of each report (table) is included.

Soil Qualities and Features

This folder contains tabular reports that present various soil qualities and features. The reports (tables) include all selected map units and components for each map unit. Soil qualities are behavior and performance attributes that are not directly measured, but are inferred from observations of dynamic conditions and from soil properties. Example soil qualities include natural drainage, and frost action. Soil features are attributes that are not directly part of the soil. Example soil features include slope and depth to restrictive layer. These features can greatly impact the use and management of the soil.

Soil Features

This table gives estimates of various soil features. The estimates are used in land use planning that involves engineering considerations.

A *restrictive layer* is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers. The table indicates the hardness and thickness of the restrictive layer, both of which significantly affect the ease of excavation. *Depth to top* is the vertical distance from the soil surface to the upper boundary of the restrictive layer.

Subsidence is the settlement of organic soils or of saturated mineral soils of very low density. Subsidence generally results from either desiccation and shrinkage, or oxidation of organic material, or both, following drainage. Subsidence takes place gradually, usually over a period of several years. The table shows the expected initial

subsidence, which usually is a result of drainage, and total subsidence, which results from a combination of factors.

Potential for frost action is the likelihood of upward or lateral expansion of the soil caused by the formation of segregated ice lenses (frost heave) and the subsequent collapse of the soil and loss of strength on thawing. Frost action occurs when moisture moves into the freezing zone of the soil. Temperature, texture, density, saturated hydraulic conductivity (Ksat), content of organic matter, and depth to the water table are the most important factors considered in evaluating the potential for frost action. It is assumed that the soil is not insulated by vegetation or snow and is not artificially drained. Silty and highly structured, clayey soils that have a high water table in winter are the most susceptible to frost action. Well drained, very gravelly, or very sandy soils are the least susceptible. Frost heave and low soil strength during thawing cause damage to pavements and other rigid structures.

Risk of corrosion pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel or concrete. The rate of corrosion of uncoated steel is related to such factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. The rate of corrosion of concrete is based mainly on the sulfate and sodium content, texture, moisture content, and acidity of the soil. Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel or concrete in installations that intersect soil boundaries or soil layers is more susceptible to corrosion than the steel or concrete in installations that are entirely within one kind of soil or within one soil layer.

For uncoated steel, the risk of corrosion, expressed as *low*, *moderate*, or *high*, is based on soil drainage class, total acidity, electrical resistivity near field capacity, and electrical conductivity of the saturation extract.

For concrete, the risk of corrosion also is expressed as *low*, *moderate*, or *high*. It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

Custom Soil Resource Report

Soil Features—Kent County, Michigan									
Map symbol and soil name	Restrictive Layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
81B—Urban land-Spinks complex, 0 to 8 percent slopes									
Urban land		—	—		—	—			
Spinks		—	—		0	0	Low	Low	Moderate
Thetford		—	—		0	—	Moderate	High	Moderate
Wasepi		—	—		0	—	High	High	Moderate

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United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

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AERIAL PHOTOGRAPHS



802 Alpine Avenue NW

802 Alpine Avenue NW

Grand Rapids, MI 49504

Inquiry Number: 4170139.5

January 05, 2015

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

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Please contact EDR at 1-800-352-0050
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Date EDR Searched Historical Sources:

Aerial Photography January 05, 2015

Target Property:

802 Alpine Avenue NW

Grand Rapids, MI 49504

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1938	Aerial Photograph. Scale: 1"=500'	Flight Year: 1938	AAA
1950	Aerial Photograph. Scale: 1"=500'	Flight Year: 1950	PMA
1960	Aerial Photograph. Scale: 1"=500'	Flight Year: 1960	CSS
1967	Aerial Photograph. Scale: 1"=500'	Flight Year: 1967	ASCS
1978	Aerial Photograph. Scale: 1"=600'	Flight Year: 1978	ASCS
1981	Aerial Photograph. Scale: 1"=500'	Flight Year: 1981	USGS
1986	Aerial Photograph. Scale: 1"=500'	Flight Year: 1986	USGS
1993	Aerial Photograph. Scale: 1"=600'	Flight Year: 1993	NAPP
1999	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1999	USGS/DOQQ
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP



Subject Property

INQUIRY #: 4170139.5

YEAR: 1938

| = 500'





Subject Property

INQUIRY #: 4170139.5

YEAR: 1950

| = 500'





INQUIRY #: 4170139.5

YEAR: 1960

| = 500'





Subject Property

INQUIRY #: 4170139.5

YEAR: 1967

| = 500'





Subject Property

INQUIRY #: 4170139.5

YEAR: 1978

| = 600'





Subject Property

INQUIRY #: 4170139.5

YEAR: 1981

| = 500'





INQUIRY #: 4170139.5

YEAR: 1986

| = 500'





Subject Property

INQUIRY #: 4170139.5

YEAR: 1993

| = 600'





Subject Property

INQUIRY #: 4170139.5

YEAR: 1999

| = 500'



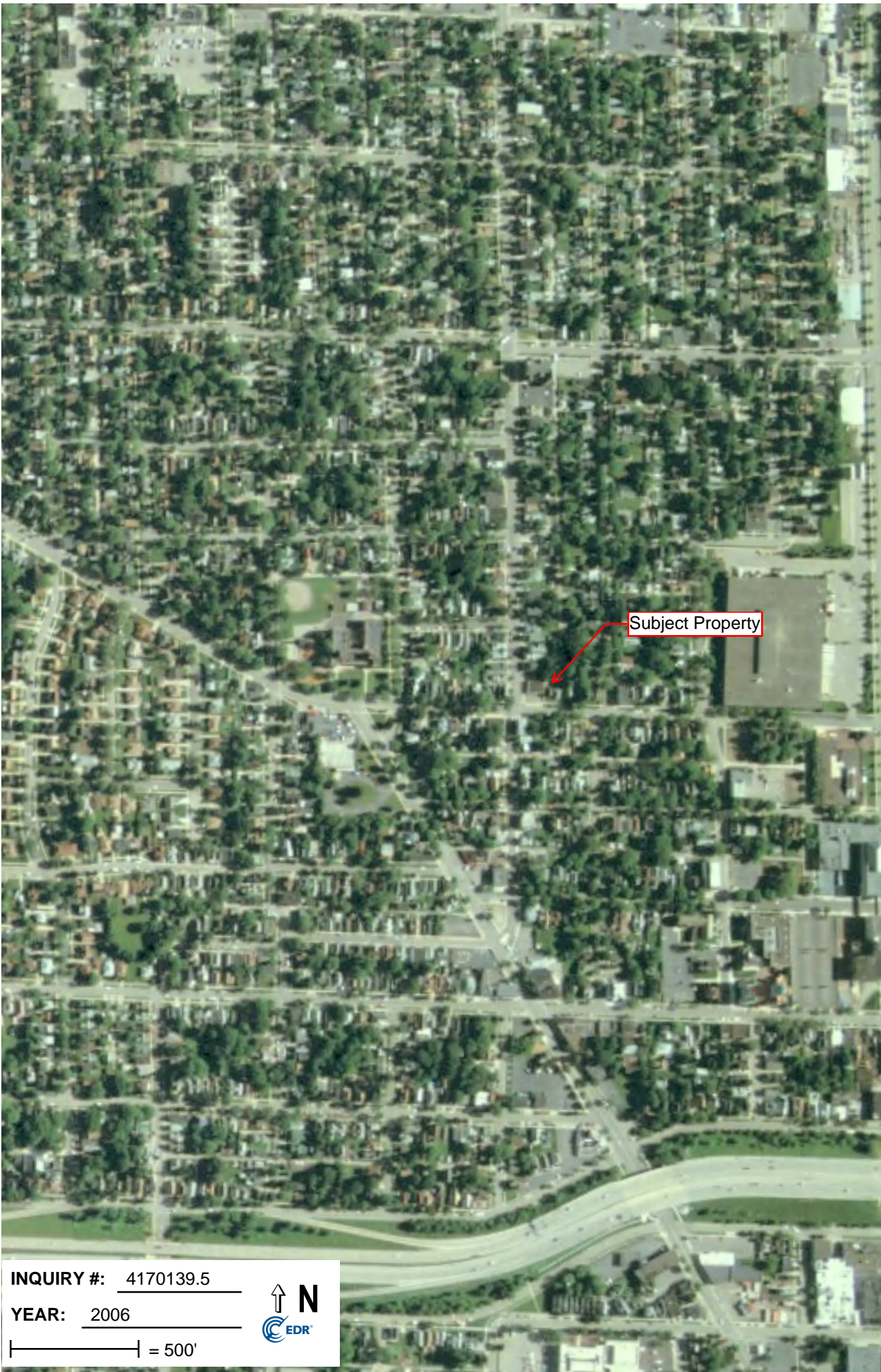


INQUIRY #: 4170139.5

YEAR: 2005

| = 500'





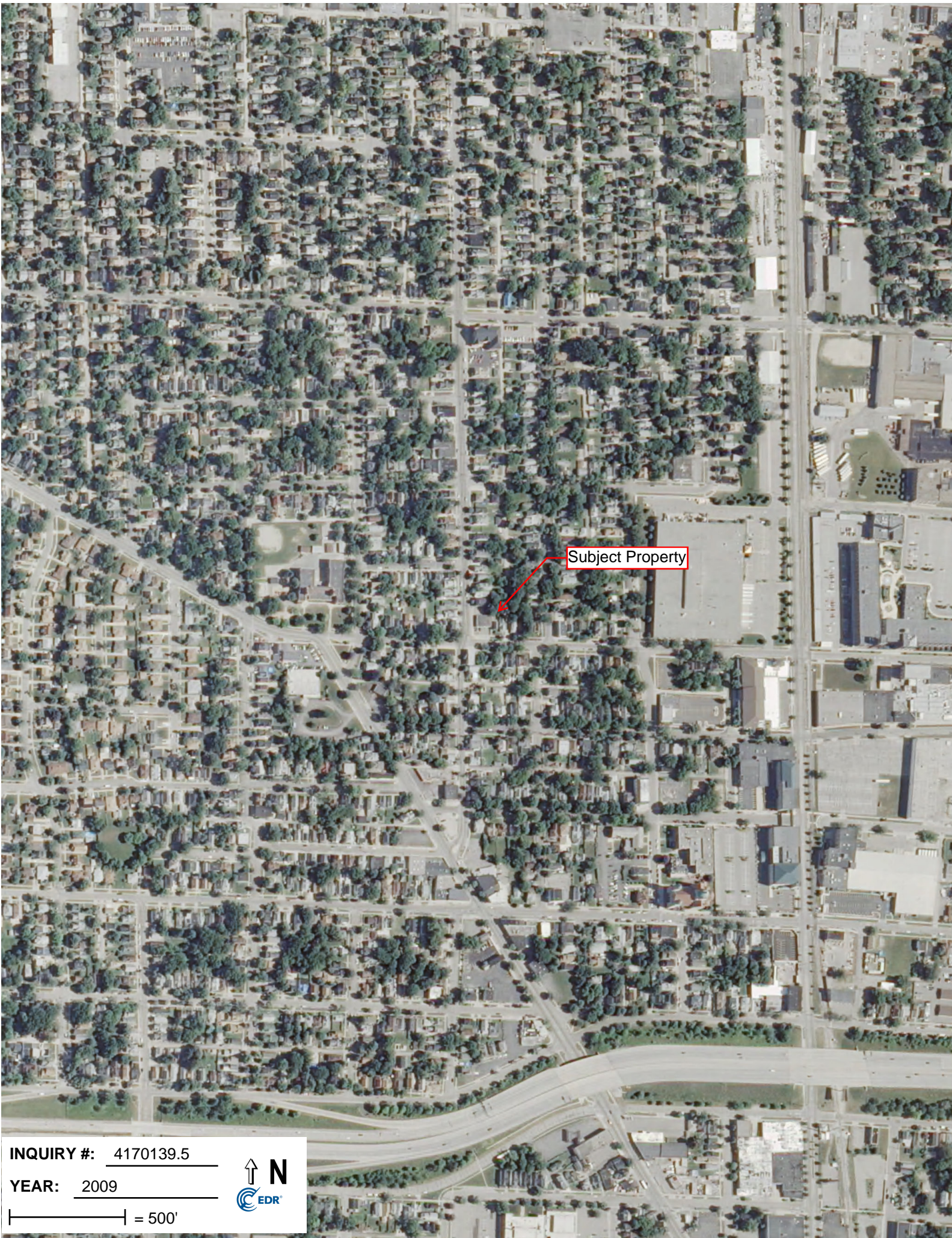
Subject Property

INQUIRY #: 4170139.5

YEAR: 2006

| = 500'



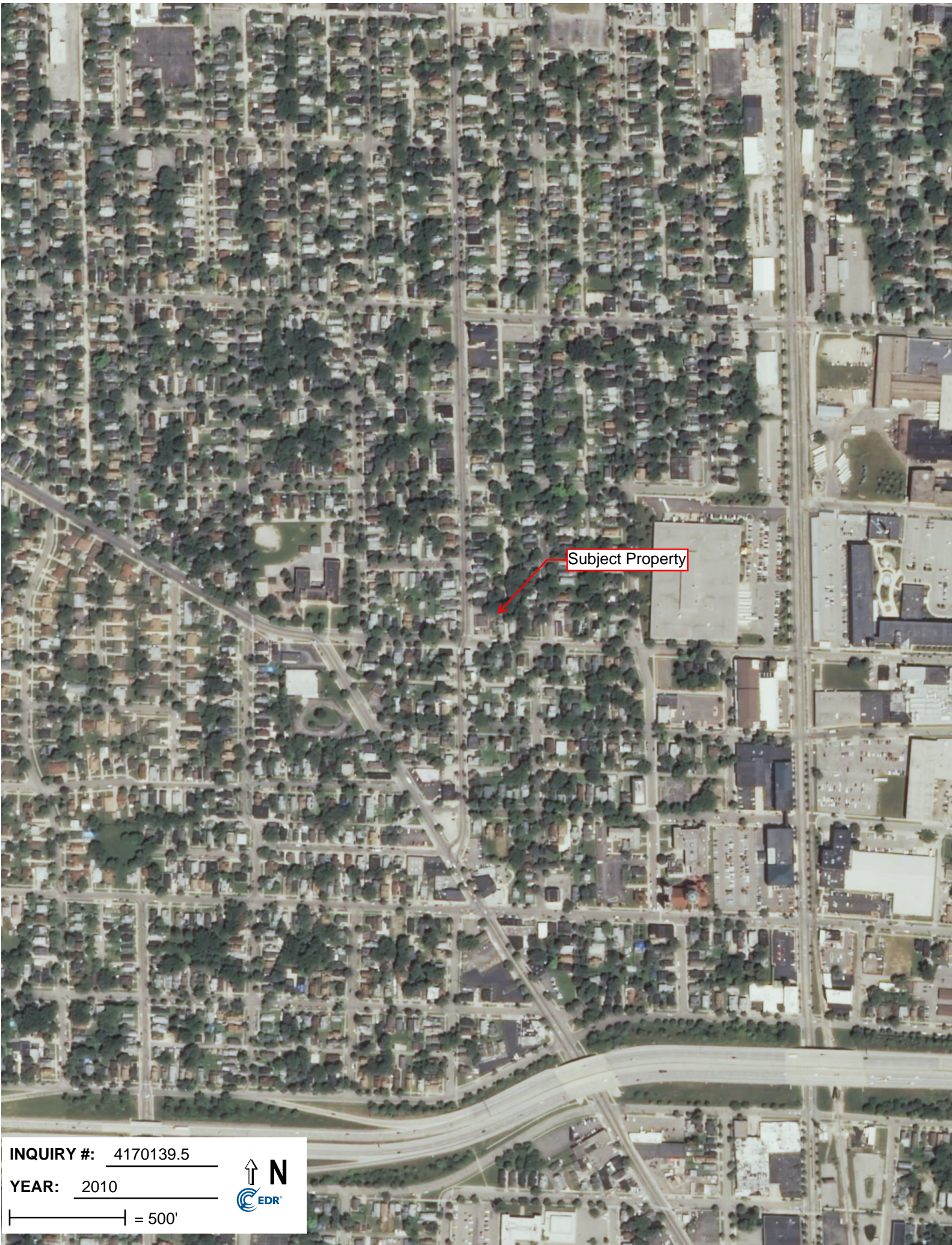


INQUIRY #: 4170139.5

YEAR: 2009

| = 500'





Subject Property

INQUIRY #: 4170139.5

YEAR: 2010

| = 500'





INQUIRY #: 4170139.5

YEAR: 2012

| = 500'



SANBORN FIRE INSURANCE MAPS



802 Alpine Avenue NW

802 Alpine Avenue NW

Grand Rapids, MI 49504

Inquiry Number: 4170139.3

December 29, 2014

Certified Sanborn® Map Report



6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/29/14

Site Name:

802 Alpine Avenue NW
802 Alpine Avenue NW
Grand Rapids, MI 49504

Client Name:

PM Environmental, Inc.
3340 Ranger Road
Lansing, MI 48906

EDR Inquiry # 4170139.3

Contact: Lindsey Sorensen



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by PM Environmental, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: 802 Alpine Avenue NW
Address: 802 Alpine Avenue NW
City, State, Zip: Grand Rapids, MI 49504
Cross Street:
P.O. # NA
Project: 03-4006-0
Certification # CB7E-48BF-82A0



Sanborn® Library search results
Certification # CB7E-48BF-82A0

Maps Provided:

1984 1895
1968 1888
1965
1953
1950
1913

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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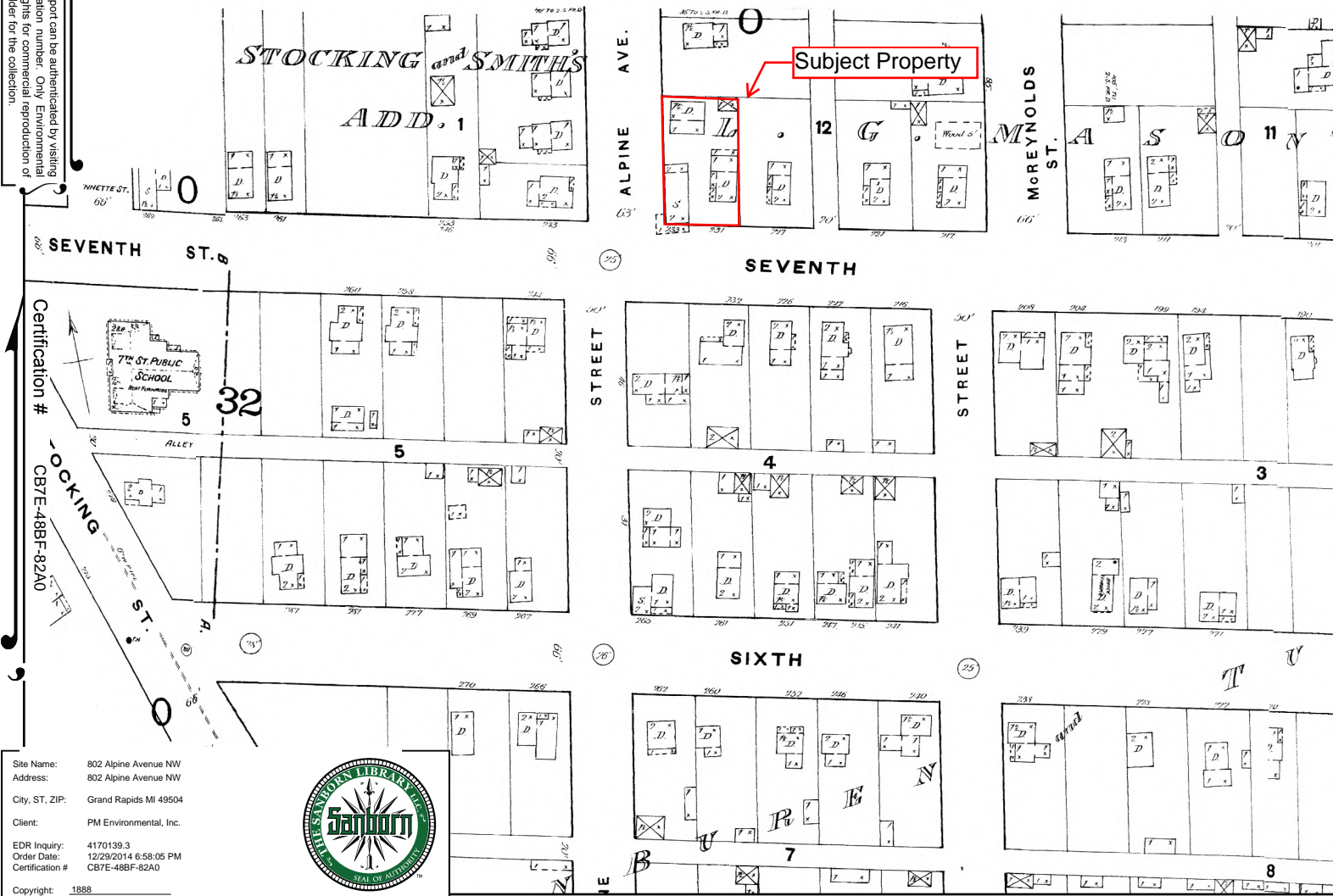
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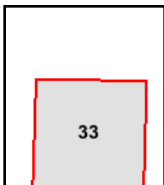
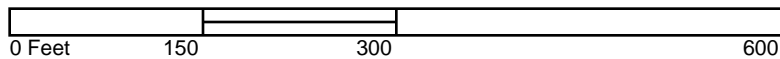
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1888 Certified Sanborn Map

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This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 33

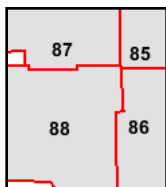


1895 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



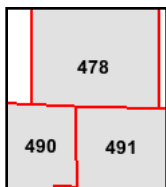
Volume 1, Sheet 85
Volume 1, Sheet 86
Volume 1, Sheet 87
Volume 1, Sheet 88



1913 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



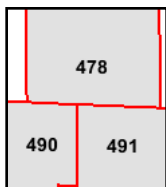
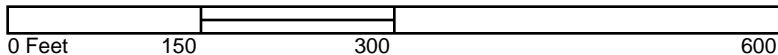
Volume 4, Sheet 478
Volume 4, Sheet 490
Volume 4, Sheet 491



1950 Certified Sanborn Map



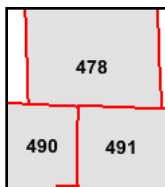
This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



Volume 4, Sheet 478
 Volume 4, Sheet 490
 Volume 4, Sheet 491



1953 Certified Sanborn Map



Volume 4, Sheet 478
 Volume 4, Sheet 490
 Volume 4, Sheet 491

1965 Certified Sanborn Map



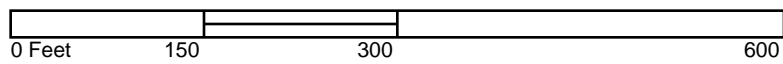
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Certification #
CB7E-48BF-82A0

Site Name: 802 Alpine Avenue NW
Address: 802 Alpine Avenue NW
City, ST, ZIP: Grand Rapids MI 49504
Client: PM Environmental, Inc.
EDR Inquiry: 4170139.3
Order Date: 12/29/2014 6:58:05 PM
Certification #: CB7E-48BF-82A0
Copyright: 1965



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



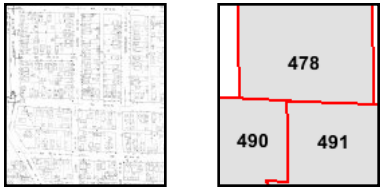
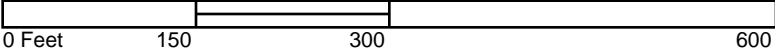
Volume 4, Sheet 478
Volume 4, Sheet 490
Volume 4, Sheet 491



1968 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets.
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Volume 4, Sheet 478
 Volume 4, Sheet 490
 Volume 4, Sheet 491



1984 Certified Sanborn Map



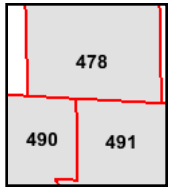
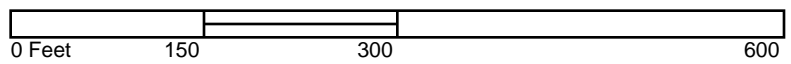
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Certification #
CB7E-48BF-82AO

Site Name: 802 Alpine Avenue NW
Address: 802 Alpine Avenue NW
City, ST, ZIP: Grand Rapids MI 49504
Client: PM Environmental, Inc.
EDR Inquiry: 4170139.3
Order Date: 12/29/2014 6:58:05 PM
Certification #: CB7E-48BF-82AO



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 4, Sheet 478
Volume 4, Sheet 490
Volume 4, Sheet 491



ASSESSING DEPARTMENT RECORDS

802 NW ALPINE AVE GRAND RAPIDS, MI 49504 (Property Address)

Parcel Number: 41-13-24-155-024



Item 1 of 2

[1 Image / 1 Sketch](#)**Property Owner: SHERD DAVID M CANDACE B TRUST****Summary Information**

- > Commercial/Industrial Building Summary
 - Yr Built: 1967
 - # of Buildings: 1
 - Total Sq.Ft.: 2,244
- > Assessed Value: \$51,300 | Taxable Value: \$46,342
- > Property Tax Information found

Important Message
[+](#) Contact Information for Assessor's Office
Owner and Taxpayer Information

Owner	SHERD DAVID M CANDACE B TRUST 179 CREEKSIDE DR COOPERSVILLE, MI 49404-9449	Taxpayer	SEE OWNER INFORMATION
--------------	--	-----------------	-----------------------

General Information for Tax Year 2014

Property Class	COMMERCIAL IMPROVED	Unit	51 CITY OF GRAND RAPIDS
School District	GRAND RAPIDS	Assessed Value	\$51,300
LOT	6527	Taxable Value	\$46,342
DWELLING UNITS	0	State Equalized Value	\$51,300
GR USE CODE	220.00	Date of Last Name Change	04/29/2005
AV NOTICE	Not Available	Notes	Not Available
Historical District	Not Available	Census Block Group	Not Available
STYLE/ACTS	Not Available		

Principal Residence Exemption Information**Homestead Date** Not Available

Principal Residence Exemption	June 1st	Final
2014	0.0000 %	0.0000 %

Previous Year Information

Year	MBOR Assessed	Final SEV	Final Taxable
2013	\$50,800	\$50,800	\$45,613
2012	\$55,700	\$55,700	\$44,544
2011	\$57,800	\$57,800	\$43,373

Land Information

Zoning Code	Not Available	Total Acres	0.150
Land Value	\$42,000	Land Improvements	\$4,643
Renaissance Zone	No	Renaissance Zone Expiration Date	Not Available
ECF Neighborhood	C_02 NORTHWEST	Mortgage Code	Not Available
Lot Dimensions/Comments	Not Available	Neighborhood Enterprise Zone	Not Available

Lot(s)	Frontage	Depth
No lots found.		
Total Frontage: 0.00 ft		Average Depth: 0.00 ft

Legal Description

LOT 8 BLK 12* L G MASON & CO S SUB* OF W 1/2 OF NW 1/4 OF SECTION 24 T 7 N R 12 W

Land Division Act Information

Date of Last Split/Combine	<i>Not Available</i>	Number of Splits Left	<i>Not Available</i>
Date Form Filed	<i>Not Available</i>	Unallocated Div.s of Parent	0
Date Created	<i>Not Available</i>	Unallocated Div.s Transferred	0
Acreage of Parent	0.00	Rights Were Transferred	No
Split Number	0	Courtesy Split	No
Parent Parcel	<i>Not Available</i>		

Sale History

Sale Date	Sale Price	Instrument	Grantor	Grantee	Liber/Page	Comments
03/30/1993	\$0.00	QC	SHERD D/SHERD TRUST		3210/0284	
02/05/1993	\$30,000.00	WD	SHERD TST/SHERD D&C		3187/0116	
02/05/1993	\$30,000.00	WD	SHERD TST/SHERD D&C		3187/0116	

Building Information - 2244.00 sq ft Garage, Service/Repair (Commercial)

Floor Area	2,244 sq ft	Estimated TCV	\$48,349
Occupancy	Garage, Service/Repair	Class	C
Stories Above Ground	1	Average Story Height	14 ft
Basement Wall Height	0 ft		
Year Built	1967	Year Remodeled	<i>Not Available</i>
Percent Complete	100%	Heat	Space Heaters, Gas with Fan
Physical Percent Good	47%	Functional Percent Good	100%
Economic Percent Good	100%	Effective Age	25 yrs

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BUILDING DEPARTMENT RECORDS



Lansing
3340 Ranger Road
Lansing, MI 48906
f: 877-884-6775
t: 517-321-3331

Detroit
4080 W. 11 Mile Rd
Berkley, MI 48072
f: 877-884-6775
t: 248-336-9988

Grand Rapids
560 5th Street NW,
Suite 301
Grand Rapids, MI 49504
f: 877.884.6775
t: 616.285.8857

ISO 9001 REGISTERED

VIA FACSIMILE (616) 456-4569

December 29, 2014

City Attorney's Office
Elizabeth White, Deputy City Attorney
300 Monroe Avenue NW
Grand Rapids, MI 49503-2206

Please accept this as a Freedom of Information Act (FOIA) request for information on the following property;

802 Alpine Avenue NW, Grand Rapids (PID: 41-13-24-155-024)

Information we are interested in obtaining includes;

Development Center Files

- Any building permits that have been issued to this property or any other indication a building has ever been present
- Any site plans or diagrams of the property

Environmental Services Files

- Any files regarding reported spills on the property

Fire Department Files

- Any current or historical records of fires, spills, or chemical storage;
- Any fire violations that indicate an environmental concern
- Historical sketches / layouts of the building and property or any indication of underground or above ground storage tanks;
- Any current or historical inspection records indicating chemical use or storage.

We would appreciate any assistance in receiving information in a timely manner, due to our scheduled deadlines. Please call me at 616-222-1777 if you have any questions or concerns regarding this request. I can also be reached by email at Sorensen@pmenv.com or by fax at 877-884-6775.

Sincerely,
PM Environmental, Inc.

A handwritten signature in dark ink that reads "Lindsey Sorensen".

Lindsey Sorensen
Staff Consultant
560 5th Street NW, Suite 301
Grand Rapids, MI 49504

STREET NUMBER AND
NAME OF STREET

802 Alpine NW

763

763

FORM 510

NAME OF OWNER	NO. OF PERMIT	DATE ISSUED	VALUE IMPROVEMENT	DESCRIPTION OF IMPROVEMENT OR ALTERATION
Kent County Oil Co.	19067	12-18-62		Appeal to have 1st class gar.
Texaco Serv. Station				
Robert Noffziger	86380	12-17-51	800.	Oil unit heater.
J. R. Adriance	8699	7-17-58		appeal to sell used cars in C-1 zone
Northend Transmission	23452	12-21-60		Appeal for 1st. class gar. C-1 zone.
J. R. Adrianse	30675	10-15-63	350	Gas unit heater
		3-17-65		Appeal for 1st class garage, use with ser- vice station
Edward Sherd	9374	2-6-67		Appeal for 1st class garage in C-1 zone & sude yard

STREET NUMBER AND
NAME OF STREET

802 Alpine N.W.

765

FORM 510 25787

NAME OF OWNER	NO. OF PERMIT	DATE ISSUED	VALUE IMPROVE- MENT	DESCRIPTION OF IMPROVEMENT OR ALTERATION
John Lubinski	472	3-30-18	25	Gar.
S. W. Tubbs Oil Co	11344	10-3-24	4000	Drive in oil station
Walker & Co.	3590	3-11-31	100	Rob. bulletin board
National Refining	8441	11-30-34	25	Hang metal sign
Nellie Eastman	42082	6-12-45	1700	Build 28x44' garage addition.
North End Transmission	10758	5-25-67	5,000	Build 1-sty. CB & steel add'n. 53x16'

FIRE DEPARTMENT RECORDS



Lansing
3340 Ranger Road
Lansing, MI 48906
f: 877-884-6775
t: 517-321-3331

Detroit
4080 W. 11 Mile Rd
Berkley, MI 48072
f: 877-884-6775
t: 248-336-9988

Grand Rapids
560 5th Street NW,
Suite 301
Grand Rapids, MI 49504
f: 877.884.6775
t: 616.285.8857

ISO 9001 REGISTERED

VIA FACSIMILE (616) 456-4569

December 29, 2014

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Elizabeth White, Deputy City Attorney
300 Monroe Avenue NW
Grand Rapids, MI 49503-2206

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- Any files regarding reported spills on the property

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- Any current or historical records of fires, spills, or chemical storage;
- Any fire violations that indicate an environmental concern
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Sincerely,
PM Environmental, Inc.

A handwritten signature in blue ink that reads "Lindsey Sorensen".

Lindsey Sorensen
Staff Consultant
560 5th Street NW, Suite 301
Grand Rapids, MI 49504

02248

Grand Rapids Fire Department
January 5, 1995RECEIVED
MAR 22 1995

Chemical Survey

Information: This survey is requested to determine the quantity of specific chemical groups used, produced or stored in your facility. Fire Chiefs are required to collect chemical data under the Michigan Occupational Safety and Health Act (MIOSHA), P. A. 154 of 1974, as amended, and the Fire Prevention Code, PA 207 of 1974, as amended.

Instructions: Indicate below whether your site uses or produces any of the chemical types listed. Check all the categories that apply when a chemical has more than one characteristic, (example: both a Class 3 flammable and a Class 6 poison), see definitions. Each chemical group listed in this survey includes a specified quantity. Indicate the quantity category for each chemical group on your site. To complete this survey, you may need to reference Material Safety Data Sheets, SARA Title III reporting forms, along with the attached definitions.

(Note: You must complete each line. Do not leave blanks. If you do not use a chemical group listed, mark "DO NOT HAVE" box.)

When substantial changes occur in the quantity or type of chemical use, manufacture or related storage, a revised survey must be submitted to the Fire Chief. In addition, a revised survey will be requested periodically as the fire chief determines necessary, but at least once every five years.

This survey may be followed-up with a request for more detailed information. This may include a request for Material Safety Data Sheets, chemical lists maintained under the Employee Right to Know provisions of MIOSHA and other information.

Please return this questionnaire as indicated in the attached cover letter.

This site is:

☒
☐
☐

Chemical User - (Chemicals consumed in activities on site)

Chemical Producer - (Chemicals manufactured at this site, includes packaging)

Other - Mark this box if chemicals are stored on site, but not used or produced.

Please Specify (Examples: service station, retail store, storage facility)

Date Completed:

1/16/95

Site

802 ALPINE, NW

Address:

GRAND RAPIDS, MI 49504

Name of Premises:

NORTH END TRANSMISSION SERVICE, INC.

Site Telephone:

(616) 454-3097

Emergency Contacts: (Include Private Alarm/Security Companies)

Name/Title

Business Telephone

Home number

DAVID M. SHEDD, PRESIDENT/OWNER (616) 454-3097

BOB ARONOWICZ, MECHANIC (616) 454-3097

NON-RESPONSIVE

**Grand Rapids Fire Department
January 5, 1995**

Respond based on the maximum quantity you would have on-site, including storage, at any one time during the year.

		Check 1 Box for Each Category		
Chemical Type	Specified Quantity	Have at or above Specified Quantity	Have but Below Specified Quantity	DO NOT HAVE
Class 1 Explosives & Blasting Agents (Not including Class C Explosives)	Any Quantity	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Class 2 Poison Gas	Any Quantity	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Flammable Gas	100 gal. water capacity	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NonFlammable Gas	100 gal. water capacity	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Class 3 Flammable Liquid	1,000 gallons	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Combustible Liquid	10,000 gallons	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Class 4 Flammable Solid (Dangerous when wet)	100 lbs.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Flammable Solid	500 lbs.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Spontaneously Combustible Material	100 lbs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Class 5 Oxidizer	500 lbs.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Organic Peroxide	250 lbs.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Class 6 Poison	500 lbs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Irritating Material: Liquid	1,000 gal	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Solid	500 lbs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Class 7 Radioactive Material (Yellow III Label)	Any quantity	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Class 8 Corrosives: Liquid	1,000 gal	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Solid	500 lbs.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
No DOT Category Known Human Carcinogen	Any Quantity	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Please return within ten days to the Grand Rapids Fire Department Hazardous Materials
Planning Unit, 38 LaGrave Avenue, SE, Grand Rapids Michigan 49503**

GRFD - HMPU SURVEY EVALUATION

Additional Information:

Telephone _____
Data on File _____
Survey Data _____

If Site Specific plan is not required, provide an explanation.

*Have chemicals but below the
specified quantity. Need general plans*

Additional Notes:

HMPU# 02248

Evaluator Signature

H. Klein J. Scheyer

Date

5/9/95

802 ALPINE NW

GRFD INSPECTION ROUTING FORM

FIRE PREVENTION SUBTYPE

ASSEMBLY	<input type="checkbox"/>	FIRE DRILL	<input type="checkbox"/>	RESIDENTIAL	<input type="checkbox"/>
BUSINESS	<input checked="" type="checkbox"/>	HAZARDOUS	<input type="checkbox"/>	SMOKE DETECTOR	<input type="checkbox"/>
CAPACITY	<input type="checkbox"/>	INSTITUTIONAL	<input type="checkbox"/>	STORAGE	<input type="checkbox"/>
EDUCATIONAL	<input type="checkbox"/>	KNOX BOX	<input type="checkbox"/>	SPECIAL EVENT	<input type="checkbox"/>
FACTORY	<input type="checkbox"/>	MERCANTILE	<input type="checkbox"/>	OTHER	<input type="checkbox"/>

INSPECTION ACTIONS

Administratively Close (ADMIN)	<input type="checkbox"/>	Case Note(s) (NOTE)	<input type="checkbox"/>
Issue Attorney Warning Letter (AWL)	<input type="checkbox"/>	Issue Notice of Violation Letter (NOV)	<input type="checkbox"/>
Compliant (COMP)	<input type="checkbox"/>	No Violation (NVIO)	<input checked="" type="checkbox"/>
Denied Entry (DENT)	<input type="checkbox"/>	Refer to Other Department (RFR)	<input type="checkbox"/>
Extension Granted (EXTG)	<input type="checkbox"/>	Stop Work Order (SW)	<input type="checkbox"/>
Failure to Keep Appointment (FTKA)	<input type="checkbox"/>	Verbal Orders Given (VERB)	<input type="checkbox"/>
Information Call (INFO)	<input type="checkbox"/>	Violations Present (VIO)	<input type="checkbox"/>
License Approval (LIC)	<input type="checkbox"/>	Issue Warrant (WAR)	<input type="checkbox"/>

INSPECTION RESULT

Inspection Time (Reg. Hours):	Hours: 5	Minutes:	
Inspection Time (After Hours):	Hours:	Minutes:	
Administrative Time:	Hours:	Minutes:	

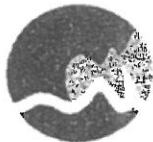
COMMENTS

E-3 A
Good inspection

Billable ☐

Non-Billable ☒

FD8-00133



Property Parcel #: 41-13-24-155-024 Date: 3-3-08

Business Address: 802 ALPINE N.W.

Type of Business: TRANSMISSION REPAIR Business Name: NORTH END TRANSMISSION

Contact Person: DAVID SHROD Business Phone: 54-3097

Contact Phone: 430-4971 Business Fax #:

Mailing Address: 802 ALPINE (SAME)

Emergency Contact: Emerg. Cont. Ph.:

Emergency Contact: Emerg. Cont. Ph.:

Emergency Contact: Emerg. Cont. Ph.:

Number of Stories: 1 Average # of Occupants: 2

Number of Employees: 2

Construction Type Prot. steel ☐ Steel ☐ Ord. (mason. & steel) ☒ Ord. (mason. & wood) ☐ Wood frame ☐ Heavy timber ☐

Side(s) of Building Accessible to Fire Apparatus (1-2-3-4, that is, front-left-back-right): 1 ☐ 2 ☐ 3 ☒ 4 ☐

EXTERIOR

	YES	NO	N/A
1. Street Address Present/Visible	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Exits Clear to Open Area (Public Way)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Grounds Clear of Debris/Overgrowth	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Gas Meter Protected	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Fire Lanes/Fire Apparatus Accessible	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Knox Box Present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Knox Box Operates	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Correct Keys Inside	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

AUTOMATIC SPRINKLER SYSTEM

	YES	NO	N/A
9. Sprinkler System Present	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. System Inspected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. System Tagged	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Date:

	YES	NO	N/A
12. Proper Signage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Control Valves Accessible - 2' sides / 3' front	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Valves Supervised/Chained	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Fire Department Connection w/Caps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. Spare Sprinklers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Sprinkler Wrench	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Storage at least 15' below sprinkler	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. Standpipe System Tested/Inspected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Date:

20. Fire Pump Tested Annually ☐ ☐ ☐

Date:

21. SP Inspection Reports Filed On Site ☐ ☐ ☐

HVAC

	YES	NO	N/A
22. Accessible: 1' sides, 3' front	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23. Clearance to Combustibles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Combustion Air	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25. Shut-offs Provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

COMPRESSED GAS

	YES	NO	N/A
26. Proper Storage/Secured	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

FLAMMABLE LIQUID STORAGE

	YES	NO	N/A
27. "No Smoking" Signs Present	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
28. Ignition Sources Isolated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
29. Fire Extinguisher Proper Type	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(Contact HazMat Planner for Flammable Liquids in drums or totes)

N/A per Lt. Smith

ELECTRICAL

	YES	NO	N/A
30. Smoke Det. Present (if no FA)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
31. Smoke Detectors Function	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
32. Exit Signs Present	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
33. Exit Signs Illuminated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
34. Emerg. Egress Lights Present	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
35. Emerg. Egress Lights Function	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
36. Clearance to Panel-2' sides/3' front	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
37. Panel Door Installed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
38. All Openings in Panel Covered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
39. Disconnect Provided/Labeled	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40. Cords in Good Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
41. Free of Extension Cords	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
42. Cover Plates on switches, plugs & junct. boxes	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

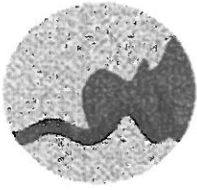
EMERGENCY GENERATOR

	YES	NO	N/A
43. Proper Maint. Of Emergency Generator	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
44. Updated Generator Log on Site	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

FIRE EXTINGUISHERS

	YES	NO	N/A
45. Present	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
46. Accessible	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
47. Visible	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
48. 4" to bottom/less than 42" to handle	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
49. Certified and Tagged	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Date: 3-13-07



CITY OF GRAND RAPIDS
Fire Department
Inspection Form

Property Parcel # _____

Date: 3-3-08

Business Address _____

202 Alpine M.V.

ADDITIONAL COMMENTS

Good inspection

Any ?

Lt J. Smith

459-5992

Inspected By _____

J Smith

Received By _____

[Signature]

FIRE PREVENTION BUREAU FILE REPORT

DATE 11-12-99 INSPECTOR _____

ADDRESS 851 Alpine NW

TENANT _____

CONTACT PERSON _____

OWNER/LANDLORD _____

COMPANY _____

PHONE _____ PAGER _____

SMOKE DETECTOR COMPLAINT _____ BUSINESS LICENSE _____

1st Inspection _____ 1st Inspection _____

REINSPECTION _____ 2ND Inspection _____ TEMPORARY USE & OCCUPANCY _____

3rd Inspection _____ FINAL USE & OCCUPANCY _____

Final Inspection _____ TELEPHONE CONVERSATION _____

SMOKE DETECTOR VIOLATION _____ COMPLAINT _____ OTHER _____

COMPLETED _____

NOTES

CASE REVIEWED & CLOSED

FIRE
PREVENTION
BUREAU



11-8-99 Not complete
owner said he could not get in
I informed him that if he was not complete by
Friday 11-12-99 that he would face
CITY OF GRAND RAPIDS
FIRE DEPARTMENT
Legal Action,

Fr 11Am 11-12-99 OK

November 1, 1999

Mr. Stickney
B & D Properties
1186 144th Ave., Box 6
Moline, MI 49335

Re: 851 Alpine N. W.

Dear Mr. Stickney,

An inspection was conducted on October 19, 1999 at the above captioned address. The following items were found to be in violation of the City of Grand Rapids Fire Codes and must be corrected.:

- Improperly located smoke detector.
- Lack of smoke detector in back bedroom.
- Extension cords running through out the apartment.

This is a violation of Section F-105.2, F-411.1, F-105.1.1 BOCA National Fire Prevention Code, 1984 Edition and must be corrected.

A re-inspection will be conducted on November 8, 1999 at 11:00 a. m. to check for compliance. Please make arrangements for you or your representative to be present. If an alternative time would be more convenient, please contact me. Unless I hear from you, I will arrive at 851 Alpine N. W. at 11:00 a. m. on November 8, 1999.

If the violation is not corrected by date of inspection, legal action may be taken against you.

If you have any questions or we may provide additional assistance to you, please contact me at 456-3900.

Sincerely,

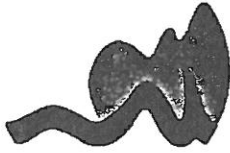
Ted Jensen
Fire Hazard Inspector

TJ/sk

cc: Richard Roersma, Fire Marshal

enc.

SMOKE DETECTORS SAVE LIVES



CITY OF GRAND RAPIDS
FIRE DEPARTMENT

October 20, 1999

Mr. Stickney
B & D Properties
1186 144th Ave., Box 6
Moline, MI 49335

Re: 851 Alpine N. W.

Dear Mr. Stickney,

An inspection was conducted on October 19, 1999 at the above captioned address. The following items were found to be in violation of the City of Grand Rapids Fire Codes and must be corrected.:

- Improperly located smoke detector.
- Lack of smoke detector in back bedroom.
- Extension cords running through out the apartment.

This is a violation of Section F-105.2, F-411.1, F-105.1.1 BOCA National Fire Prevention Code, 1984 Edition and must be corrected.

A re-inspection will be conducted on October 28, 1999 at 11:00 a. m. to check for compliance. Please make arrangements for you or your representative to be present. If an alternative time would be more convenient, please contact me. Unless I hear from you, I will arrive at 851 Alpine N. W. at 11:00 a. m. on October 28, 1999.

If you have any questions or we may provide additional assistance to you, please contact me at 456-3900.

Sincerely,

Ted Jensen
Fire Hazard Inspector

TJ/sk

cc: Richard Roersma, Fire Marshal

enc.

SMOKE DETECTORS SAVE LIVES

IMPORTANT MESSAGE

For Ray Time 11:30 A.M.
 Day 10-13-99
 M Ruth
 of Gentleman for morning coffee
 Phone 365-1313 Extension
 FAX Cathy or Sandra Extension
 MOBILE Cathy or Sandra Extension

Telephoned	Returned your call	RUSH
Came to see you	Please call	Special attention
Wants to see you	Will call again	Caller on hold

Message RE 851 Alpine
(Gru + Alpine)

1. Space heaters - electric w/ cartridge style fuse
2. wiring problems
3. 2 Family

Signed

LITHO IN U.S.A.

NOTES

B & D Properties

Dave Stickney

Bruce Jager

~~672~~

792-6730

877-4834

OSB-LL

to as the master elevator, which provides Fire Department emergency access to every floor normally provided with elevator service by that group: The cabs of the master elevator shall be of such size as to accommodate an ambulance cot, twenty-two (22) inches wide by seventy-five (75) inches long in its horizontal open position.

F-108.4 The master elevator shall be located in hoistways equipped for pressurization to at least 0.15 inch of water column, pressurization will commence automatically upon activation of the detection system or manual fire alarm with air uncontaminated by the fire or products of combustion.

F-108.5 When transfer levels exist which necessitate changing master elevators in order to travel from one (1) floor to another, the connecting elevator lobby at each transfer point shall be enclosed in smoke-proof, one-hour fire-resistive construction with the doors between the corridors or floor area and the elevator lobby swinging in the direction of the lobby only.

F-108.6 Mechanical equipment used for hoistway pressurization shall be on the building electrical service and the emergency power supply.

F-108.7 An existing elevator installation not conforming to the dimensions previously mentioned in this Section may be accepted by the Fire Official.

F-108.8 A locked metal box shall be installed at the main elevator lobby and the alternate floor as designated by the Fire Chief or his or her designated representative. The box will be installed on the wall in the designated areas and will contain the elevator control master key or keys; said box will be painted red.

F-109.0 Duty to Inform the Fire Department.

F-109.1 Action to be Taken in the Event of a Fire: In the event of fire, the Fire Department shall be notified and the evacuation plan implemented immediately.

F-109.2 Fires to be Reported: The person having charge of any building, room or space within a building shall make certain that the Fire Department has been notified as soon as

he or she becomes aware of a fire within said building, room or space.

ARTICLE 3. GENERAL PRECAUTIONS AGAINST FIRE

F-312.3 Circuit Protection Devices: Electrical box covers, switch panels, and other protective devices shall be maintained unless the circuit is actually being worked on.

F-315.0 Fire Retardant Coatings.

F-315.1 General: All fire retardant coatings shall be maintained so as to retain the effectiveness of the treatment under the service conditions encountered in actual use.

ARTICLE 4. SMOKE DETECTOR ORDINANCE

F-400.7 Tampering: A person shall not obstruct, remove, tamper with, or otherwise disturb any fire protection device or system required to be installed or maintained under the provisions of this Code, except as may be necessary for maintenance of the device or system or necessary for the use of the device or system during an actual emergency.

F-411.1 General: All existing residential uses, as defined by the Building Code listed in Appendix A, shall be provided with a minimum of one (1) approved photoelectric smoke detector in the sleeping area, guest room or suite of a hotel, motel, lodging house, boarding house or residential multi-family dwelling unit. Each detector shall be installed in accordance with Nfipa 72E or Nfipa 74 listed in Appendix A. When actuated, the smoke detector shall provide an alarm suitable to warn the occupants within the individual room or unit.

F-411.2 Exceptions: Owner-occupied detached single-family dwellings in existence as of the date of adoption of this Code shall be exempt from these requirements.

F-411.3 Tampering: Anyone who tampers with or interferes with the manufactured operation of a smoke detector shall be in violation of this Code.

F-411.4 Owner-Occupied Detached Single-Family Dwellings: All existing owner-occupied detached single-family dwellings shall be equipped with a minimum of one (1) approved smoke detector. This detector shall be installed near the sleeping area in accordance with NFIPA 72 or NFIPA 74. The detector can be directly wired or battery powered. This provision shall only be applicable when possession is transferred, in whole or in part, by deed or land contract to another individual or entity. The person(s) or entity transferring possession in whole or in part shall be the party responsible under this Section to see that compliance is made.

F-412.1 Access: A roadway shall be provided for Fire Department vehicles from the nearest available right-of-way to a construction site prior to any structural framing being done involving combustible materials. The roadway shall be reasonably level and suitable for traverse by fire equipment. Access roads must be maintained year around to accommodate use by fire equipment.

F-412.2 Fire Hydrant Locations: For new plats being developed, hydrants shall be spaced in the following manner;

1. Residential, four hundred (400) feet between hydrants.
2. Commercial/industrial, three hundred (300) feet between hydrants.
3. As near as possible to intersections.

In addition, an activated hydrant shall be located within three hundred (300) feet of buildings under construction. The three hundred (300) feet shall be measured from the hydrant along the Fire Department vehicle access road to the building.

F-412.3 Fire Hydrant Installation: All newly installed or relocated hydrants shall be installed so that distance from the curb facing to the center of the hydrant shall be no less than four (4) feet and no more than six (6) feet. The four-inch opening must face the street and a minimum of an eighteen-inch clearance from grade

to the bottom of the lowest hose connection must be maintained.

412.3.1 Exceptions: Exceptions to the above rules may be granted by the Fire Official or his or her designated representative.

412.4 Water Main Requirements: All new water mains installed shall be looped or cross connected so that they may be fed from two (2) different locations.

412.4.1 Exceptions: Deadend streets, cul de sac streets, or streets which terminate at a cross street which is not serviced with water may be exempt from this Section if approved by the Fire Official.

ARTICLE 7. APPLICATION OF FLAMMABLE FINISHES

F-700.1.1 Spray Application: "Spray application" means the application of flammable or combustible materials when applied as a spray by compressed air, airless or hydraulic atomization, steam, electrostatic methods, or by any other means in continuous or intermittent processes.

ARTICLE 14. OVENS AND FURNACES

F-1401.2 Fuel Oil: The grade of fuel oil used in a burner shall be that for which the burner has been tested and approved and as specified by the manufacturer.

ARTICLE 16. SERVICE STATIONS AND GARAGES

F-1601.1 through F-1605.1 modified herein under Section F-2800.1 through F-2804.9.11.3.

ARTICLE 26. EXPLOSIVES, AMMUNITION AND BLASTING AGENTS

F-2600.1 Scope: The equipment, processes and operations involving the manufacture, possession, storage, sale, transportation and use of explosives and blasting agents shall comply with Act. No. 202 of the Public Acts of 1970, State of Michigan, being Section 29.41 et seq. of the Michigan Compiled Laws (MSA 4.559(41) et seq.) and the applicable requirements of this Code

FIRE PREVENTION BUREAU
FILE REPORT

DATE 10-19-99 INSPECTOR T. Jensen
ADDRESS 851 Alpine
TENANT _____

CONSTRUCTION _____	SPRINKLER SYSTEM _____	AGST'S _____
PRE-PLAN REVIEW INSPECTION _____	PRE-PLAN REVIEW MEETING _____	
PLAN REVIEW _____ INITIAL _____	ROUGH-IN _____ REINSPECTION _____	
TEMPORARY USE & OCCUPANCY _____	FINAL USE & OCCUPANCY _____	
TELEPHONE CONVERSATION _____	COMPLAINT _____	OTHER _____

NOTES

- Extention cords Through out
- Smoke Detector improperly located
- No Smoke Detector in Back Bed room
- Peeling PAINT
- Missing Plaster
- NOT - working OUT lets

I TALKED WITH JUANITA WILLIAMS OF HOUSING AND TOLD
HER ABOUT THE CONDITION OF THE HOUSE AND SHE INDICATED THAT THERE
ARE ORDERS ON THE HOUSE ALREADY.

B & D Properties 1186 144TH Ave Box 6
DAVE Stickney * Moline MI 49335
Bruce Jager
792-6736
877-4834

GRAND RAPIDS FIRE PREVENTION INSPECTION REPORT

DATE 7-12-90

BUSINESS NAME NORTH END TRANS PHONE _____

Address 802 ALPINE NW

OWNER/MGR DAVID SHERD

GARAGE X BODY SHOP _____ CITY LICENCE YES DISPLAYED YES

SPRAY BOOTH _____ SPRINKLER SYSTEM _____

FIRE EXTINGUISHERS 3-90 MOUNTED YES

MEANS OF EGRESS OK EXIT SIGNS OK

FLAM/COMB Liquids NO PROPER STORAGE _____

PROPER RAG STORAGE YES

COMPRESSED TANKS YES SECURED YES

ELECTRICAL APPEARS OK

HEATING APPEARS OK

COMMENTS _____

_____ SPRAYING REGULATIONS

_____ PROVIDED

INSPECTOR _____ LETTER SENT _____

C-0390-90

MICHIGAN STATE POLICE FIRE MARSHAL DIVISION

UST PROGRAM

~~SUSPECTED~~ CONFIRMED RELEASE

Sec. 280.50/280.61 EPA Rules

Person Reporting Release Ed Shepard

Company/Contractor Name _____

Location of Release

Facility Name North End transmission

Address 802 Alpine

City/State/Zip Grand Rapids, 49504

County Kent Township _____

Company Mailing Address

Address Same

City/State/Zip _____

Contact Person _____ Phone # 616/454-3097

Have you notified

DNR: Yes___ No___

Local Fire Department: Yes___ No___

Release Information

Type of tank _____ Capacity _____

Substance Released _____

Site Condition (Circle reason for believing a leak may have/has occurred)

Presence of product/vapors in soil/basements/failed tank tightness test

Unusual operating conditions (sudden loss of product/inventory records)

Other site ass. showed contamination

Copy of this form sent to: DNR ☒ FD (info only) ☒ DMB ☒

Financial Responsibility Letter Mailed _____ Date Received _____
(confirmed release only)

Person Receiving Information Univ. Date/Time Received 3/6/90

(10/89)

INTERNAL USE ONLY

RECEIVED
MAR 14 1990
BUREAU OF FIRE INSP.

MICHIGAN STATE POLICE FIRE MARSHAL DIVISION

UST PROGRAM

NOTIFICATION OF UST REMOVAL CLOSURE

Sec. 280.71(a) EPA Rules

Date Received 12/23/89 Person Receiving Information Choke

Method of Notification: Phone Letter ☒ (attach to file copy of form)

Name of Person Giving Information: Harriett Visser

Location of Tanks

Company Name North End Transmission

Address 802 Alpine Ave NW

City/State/Zip Grand Rapids 49504

County Kent Township _____

Contact Person Edward Sherd Phone 616/454-3097

Company Mailing Address Same

Tank Information

Date Tanks are to be Removed 1/23/90

Number Removed _____ Capacity : _____ 2 _____ 3 _____
4 _____ 5 _____ 6 _____

Company Doing Removal

Name _____

Address _____

City/State/Zip _____

Copy of this Form Sent To: DNR (field) _____ FD (information only) _____

Date Sent _____

Follow-Up Letter Sent (owner/operator): Date _____

INTERNAL USE ONLY

APPLICATION FOR INSTALLATION, ESTABLISHMENT, RELOCATION,
REMODELING AND/OR REMOVAL OF A
FILLING STATION

pd 275.00

1-2-90

3ll

receipt #0993

The undersigned hereby makes application for permission to Install-Remove
(delete one)

Public

Private

Gasoline Filling Station at _____

NORTH END TRANSMISSION 802 ALPINE AVE. N.W. GRAND RAPIDS, MI. 49504

Gasoline Tanks	_____	Capacity	_____	New	_____	Used	_____
Gasoline Pumps	_____		_____	New	_____	Used	_____
Fuel Oil Tanks	_____	Capacity	_____	New	_____	Used	_____
Fuel Oil Pumps	_____		_____	New	_____	Used	_____

Additional Information _____

REMOVAL OF (1) 6000 GALLON U/G TANK

Date DEC. 26, 1989

Applicant VISSER'S SALES & SERVICE INC.

By HARRIET L. VISSER V 260-298-537-290

Address 1130 ARIANNA VE. N.W. G.R. MI. 49504

Phone No. 6L6-459-08254

RECOMMENDED:

ZONING OFFICIAL Courtesy M. Thomas

INSPECTION SERVICES John Johnson 1-4-90

CITY ENGINEER R.H. Paul

FIRE CHIEF B.C. Bycki FHI 1-22-90

TRANSPORTATION Amelia 1-25-90

APPROVED:

CITY CLERK _____

SANDRA L. WRIGHT DL 1-26-90
GRAND RAPIDS CITY CLERK

This application must be filed with the City Clerk, accompanied by the
Inspection and License Fee for the installation, or removal and a sketch or
plan showing the proposed location and shall indicate distances between
proposed construction and property lines and right-of-way.

pd 275.00
1-2-90
3ll
APPLICATION FOR INSTALLATION, ESTABLISHMENT, RELOCATION,
REMODELING AND/OR REMOVAL OF A
FILLING STATION receipt #099

The undersigned hereby makes application for permission to Install-Remove
(delete one)

Public

Private

Gasoline Filling Station at

NORTH END TRANSMISSION 802 ALPINE AVE. N.W. GRAND RAPIDS, MI. 49504

Gasoline Tanks	Capacity	New	Used
Gasoline Pumps		New	Used
Fuel Oil Tanks	Capacity	New	Used
Fuel Oil Pumps		New	Used

Additional Information

REMOVAL OF (1) 6000 GALLON U/G TANK

Date DEC. 26, 1989

Applicant VISSER'S SALES & SERVICE INC.

By HARRIET L. VISSER V 260-298-537-290

Address 1130 ARIANNA VE. N.W. G.R. MI. 49504

Phone No. 616-459-08254

RECOMMENDED:

ZONING OFFICIAL C. M. Johnson

INSPECTION SERVICES John Johnson 1-4-90

CITY ENGINEER R. L. Paul

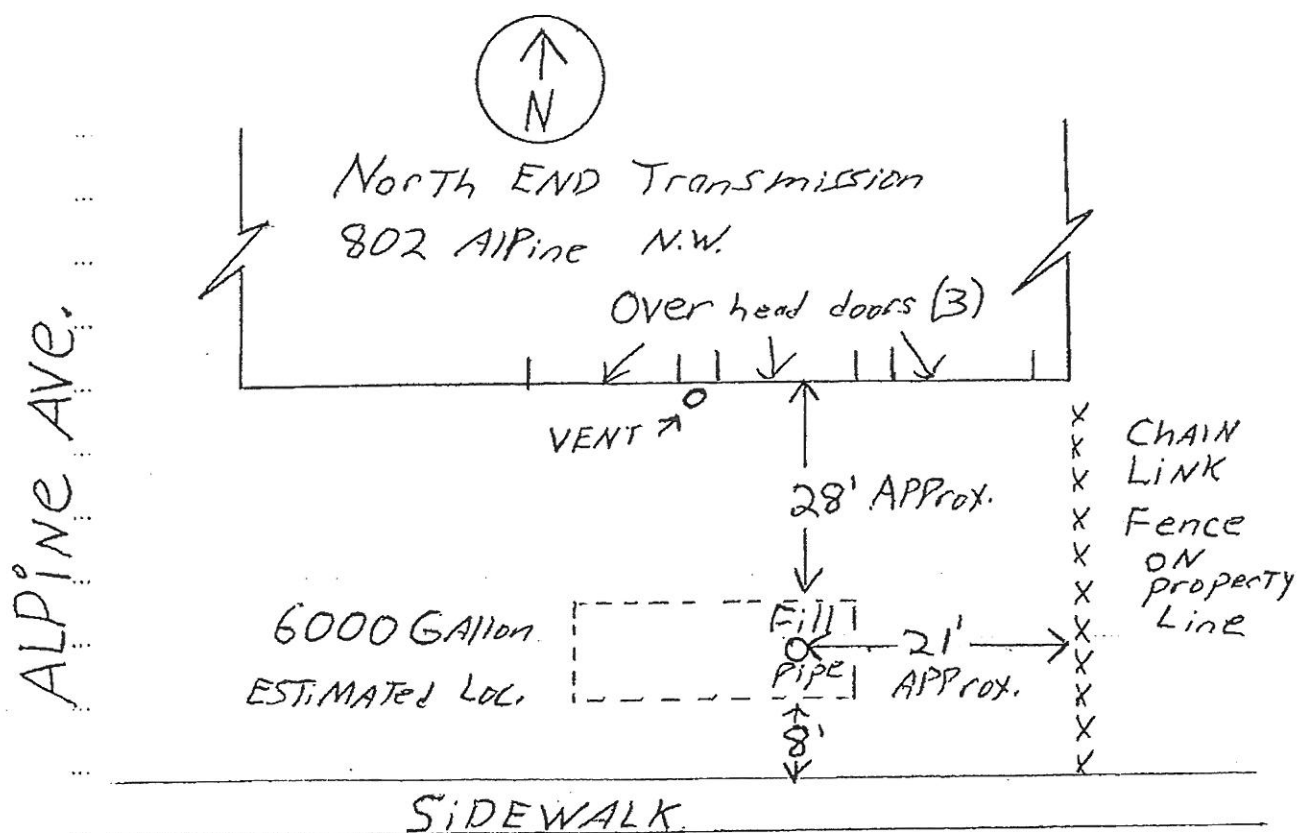
FIRE CHIEF B. C. Byrbi FHI 1-22-90

TRANSPORTATION

APPROVED:

CITY CLERK

This application must be filed with the City Clerk, accompanied by the
Inspection and License Fee for the installation, or removal and a sketch or
plan showing the proposed location and shall indicate distances between
proposed construction and property lines and right-of-way.



SEVENTH ST.

GRAND RAPIDS FIRE PREVENTION INSPECTION REPORT

DATE 7/19/88

BUSINESS NAME North End Transmission PHONE 484-3077

Address 802 Alpine Avenue NW.

OWNER/MGR David Sherd

GARAGE X BODY SHOP CITY LICENCE yes DISPLAYED yes

SPRAY BOOTH SPRINKLER SYSTEM NO

FIRE EXTINGUISHERS yes MOUNTED yes

MEANS OF EGRESS yes EXIT SIGNS NO

FLAM/COMB Liquids NO PROPER STORAGE

PROPER RAG STORAGE yes

COMPRESSED TANKS yes SECURED yes

ELECTRICAL Appears to be in compliance

HEATING Appears to be in compliance

COMMENTS

SPRAYING REGULATIONS

PROVIDED N/A

INSPECTOR B. Tate LETTER SENT N/A

In compliance 7/19/88

APPLICATION FOR INSTALLATION, ESTABLISHMENT, RELOCATION, REMODELING AND/OR REMOVAL OF A FILLING STATION

RECEIVED

JUN 20 1986

The undersigned hereby makes application for permission to Install-Remove
BUREAU OF FIRE INSP. (delete one)

Public

Private

Gasoline Filling Station at NORTH END TRANSMISSION
802 ALPINE N.W.

Gasoline Tanks _____ Capacity _____ New _____ Used _____
Gasoline Pumps _____ New _____ Used _____
Fuel Oil Tanks _____ Capacity _____ New _____ Used _____
Fuel Oil Pumps _____ New _____ Used _____

Additional Information REMOVE 1-1000 U/G TANK

3 TANKS WERE FOUND AND REMOVED 1-1000 2-1500

Date 5-2-86

Applicant NORTH END TRANSMISSION

By BISSELL MAINTENANCE P.

Address 7500 T. F. ARLY - Grand Rapids, MI

Phone No. 874-8833

RECOMMENDED:

ZONING OFFICIAL Edward Thomas

INSPECTION SERVICES Clifford Bremer

CITY ENGINEER RECEIVED 6-6-86

FIRE CHIEF Ronald J. Meier 6/21/86

TRANSPORTATION Robert J. Grynshi 6/17/86

APPROVED:

CITY CLERK

SANDRA L. WRIGHT
City Clerk
300 MONROE, N.W.
GRAND RAPIDS, MICH. 49503
6-18-86

RECEIVED

MAY 21 1986

BUREAU OF FIRE INSP.

This application must be filed with the City Clerk, accompanied by the Inspection and License Fee for the installation, or removal and a sketch or plan showing the proposed location and shall indicate distances between proposed construction and property lines and right-of-way.

HEALTH DEPARTMENT RECORDS



ISO 9001

Detroit
4080 West Eleven Mile
Road
Berkley, MI 48072
f: 877-884-6775
t: 248-336-9988

Grand Rapids
560 5th Street NW,
Suite 301
Grand Rapids, MI 49504
f: 877.884.6775
t: 616.285.8857

Lansing
3340 Ranger Road
Lansing, MI 48906
f: 877-884-6775
t: 517-321-3331

VIA FACSIMILE 616-632-6892

December 29, 2014

FOIA Coordinator
Kent County Health Department
Environmental Health Division
700 Fuller Avenue NE,
Grand Rapids, MI 49503
(616) 632-6900

Dear FOIA Coordinator:

Please accept this request for copies of information in your files relative to the following site:

- **802 Alpine Avenue NW, Grand Rapids (PID: 41-13-24-155-024)**

Information we are interested in obtaining includes from the current or historic address:

- Results of any water quality testing conducted on the property
- Individual files that are available for the site which may include records of health department inspections, violations, environmental concerns or issues, etc. If you have historical information which appears to correspond with the general property area, we would appreciate that information as well.
- Any files regarding USTs or other storage tanks on the property.
- Water well and/or septic system permits/registrations for the property
- Results of any soil borings conducted on the property.

We would appreciate any assistance in receiving information as soon as possible, due to our scheduled deadlines. Information can be sent to my attention via fax at 877-884-6775, emailed to sorensen@pmenv.com, or mailed to the address below. Please call me at 616-222-1777 if you have any questions or concerns regarding this request.

Sincerely,
PM Environmental, Inc.

A handwritten signature in black ink that reads "Lindsey Sorensen".

Lindsey Sorensen
Staff Researcher
820 Monroe Avenue NW, Suite 433
Grand Rapids, MI 49503

WATER AND SEWER CONNECTION RECORDS

**Lansing**

3340 Ranger Road
Lansing, MI 48906

f: 877-884-6775

t: 517-321-3331

Detroit

4080 W. 11 Mile Rd
Berkley, MI 48072

f: 877-884-6775

t: 248-336-9988

Grand Rapids

560 5th Street NW,
Suite 301
Grand Rapids, MI 49504

f: 877.884.6775

t: 616.285.8857

ISO 9001 REGISTERED

VIA FACSIMILE (616) 456-4569

December 29, 2014

City Attorney's Office
Elizabeth White, Deputy City Attorney
300 Monroe Avenue NW
Grand Rapids, MI 49503-2206

Please accept this as a Freedom of Information Act (FOIA) request for information on the following property;

802 Alpine Avenue NW, Grand Rapids

Information we are interested in obtaining includes;

Water & Sewer Services Files

- Date in which property originally tapped into water & sewer utilities
- Year in which the original water & sewer utility mains were available in the vicinity of the property
- If sanitary & storm sewer systems are combined or separate.

We would appreciate any assistance in receiving information in a timely manner, due to our scheduled deadlines. Please call me at 616-222-1777 if you have any questions or concerns regarding this request. I can also be reached by email at Sorensen@pmenv.com or by fax at 877-884-6775.

Sincerely,
PM Environmental, Inc.

A handwritten signature in dark ink that reads "Lindsey Sorensen".

Lindsey Sorensen
Staff Consultant
560 5th Street NW, Suite 301
Grand Rapids, MI 49504

EM1-4093
Permission is hereby granted by the 36

DEPARTMENT OF PUBLIC SERVICE
GRAND RAPIDS, MICHIGAN

OFFICE COPY

F16697

FORM 564

CONTRACTORS

Henry Prince Plbg.

OWNER

Ed Scherd

ADDRESS

~~763 Seventh, N. W.~~ 802 Alpine, N.W.

PLUMBING:	Sewer	Water	Inspection	Repair in Yard	PRICE
		X	X		\$ 3.00

TAPPING:	Size	

METER:	Size	Installation	Sale	
	3/4 X 5/8			5.00

Walks, Drives and Areaways

METER BAR ISSUED	Yes	No	

UNMETERED WATER FOR 120 DAYS	Yes	No	WHEN NOT CHARGED, SET METER IMMEDIATELY
X			20.00

Date	TOTAL →
6/15/67	\$ 23.00 8.00

Plumber	Roll No. or Code No.

STATE BRIEFLY WORK TO BE DONE:

F16697

Repair water service - Extend water service.

Robert Boelens

DIRECTOR OF INSPECTION SERVICES

mh

Clerk

1

Owner

Address

Permission is hereby granted by the
DEPARTMENT OF PUBLIC SERVICE
GRAND RAPIDS, MICHIGAN

OFFICE COPY

F16713

FORM 564

CONTRACTORS

Henry Prince Plbg.

OWNER

Ed Scherd

ADDRESS

763 Seventh, W. W.

802 Alpine NW

PLUMBING:	Sewer	Water	Inspection	Repair in Yard	PRICE
					\$
TAPPING:	Size				
METER:	Size		Installation	Sale	
Walks, Drives and Areaways					
METER BAR ISSUED	Yes	No			
UNMETERED WATER FOR 120 DAYS	Yes X	No	WHEN NOT CHARGED, SET METER IMMEDIATELY		10.00
Date	6/16/67			TOTAL →	\$ 10.00

Plumber

Roll No. or Code No.

STATE BRIEFLY WORK TO BE DONE:

F16713

Repair water service - ~~Extend~~ water service.

Robert Boelens

DIRECTOR OF INSPECTION SERVICES

mh

Clerk

1

Owner

Address

UST REGISTRATION



Lansing
3340 Ranger Road
Lansing, MI 48906
f: 877-884-6775
t: 517-321-3331

Detroit
4080 W. 11 Mile Rd
Berkley, MI 48072
f: 877-884-6775
t: 248-336-9988

Grand Rapids
560 5th Street NW,
Suite 301
Grand Rapids, MI 49504
f: 877.884.6775
t: 616.285.8857

ISO 9001 REGISTERED

VIA EMAIL: LUCASJ@michigan.gov
Cc: Sorensen@pmenv.com

December 29, 2014

Jim Lucas, FOIA Coordinator
Fire Services, Aboveground/Underground Storage Tanks
Department of Licensing and Regulatory Affairs

Jim Lucas:

Please accept this Freedom of Information Act request for file information for the following site(s) located in **Kent County**:

North End Transmissions Service; 802 Alpine Avenue NW, Grand Rapids (FID: 00013761)

Please email available file information to Sorensen@pmenv.com.

Please contact me at 616-222-1777 if you have any questions or concerns. Thank you.

Sincerely,
PM Environmental, Inc.,

A handwritten signature in blue ink that reads "Lindsey Sorensen".

Lindsey Sorensen
Staff Researcher
560 5th Street NW, Suite 301
Grand Rapids, MI 49504
PME Project Number: 03-4006-0 BH (1/9/15)

Appendix C

PREVIOUS SITE INVESTIGATION

SUPERIOR

ENVIRONMENTAL

616-677-5255
Fax 677-5258

14641 16th Ave.
P.O. Box 118
Marne, MI 49435-0118


REPORT OF UST CLOSURE
AND
INITIAL ABATEMENT MEASURES
NORTH END TRANSMISSION
802 ALPINE AVE.
GRAND RAPIDS, MICHIGAN

PREPARED FOR:

NORTH GARFIELD EXCAVATING
2240 BYRON CENTER RD.
WYOMING, MICHIGAN 49509

PREPARED BY:

SUPERIOR ENVIRONMENTAL CORP.
BOX 118
MARNE, MICHIGAN 49435



JAMES R. QUINCE, CPG
PROJECT MANAGER/HYDROGEOLOGIST

PROJECT NO. 19065
FEBRUARY 12, 1990

REPORT OF UST CLOSURE AND
INITIAL ABATEMENT MEASURES
NORTH END TRANSMISSION
GRAND RAPIDS, MICHIGAN
PROJECT # 19065
FEBRUARY 12, 1990

Introduction

Superior Environmental Corp. (Superior) was requested by North Garfield Excavating (NGE) to perform a site assessment at North End Transmission in Grand Rapids, Michigan. The assessment was performed as part of an underground storage tank system (UST) closure as required under Federal Regulations (40CFR, 280.72). The initial abatement activities were performed pursuant to Michigan Law (Act No. 478, P.A. of 1988 as amended).

The closure was achieved by excavation, removal and appropriate disposal of one underground storage tank along with the associated piping, venting, and a limited amount of contaminated soil. The tank, constructed of steel, was formerly utilized as storage for waste transmission oil. The tank was originally installed for gasoline storage.

Scope of Work

The scope of work requested of and provided by Superior included the following:

- observation and documentation of excavation and removal of the tanks and soils.
- visual inspection of the tanks upon removal
- soil screening with an organic vapor monitor
- soil sample collection and analysis
- preparation of a report of on-site activities and analytical results

Site Description

The site is located at 802 Alpine Ave. in Grand Rapids, Michigan. The surrounding area consists of private housing as well as some commercial properties. The predominant feature at the site is a cement block building at the corner of Alpine and 7th street. The building is surrounded by a concrete parking area. A 6,000-gallon tank was located beneath the concrete on the south side of the building.

Closure Activities

The first tank (T1) was excavated by NGE utilizing a Komatsu hydraulic excavator. The tank was buried beneath the gravel parking lot with its axis oriented east to west. The north side of the tank was buried 19 feet from the building (see attached UST closure form).

During excavation activities, the soils encountered consisted of sand to 10 feet followed by clay and rocks. Screening of soil around T1 for volatile organic compounds, yielded up to 278 parts per million (PPM) using a Thermoenvironmental 580A Photoionization Detector (PID). Soil was screened with the PID using head-space screening (see protocol for head-space screening method, attached). No detections were observed on the PID in the soil that was removed from depths less than 8 feet (depth to base of the tank). Contaminated soils, identified by PID, were staged next to the excavation pending disposal at an approved type II landfill.

The tanks were removed and visually inspected for corrosion, holes or signs of a release. The tank was observed to leak some waste oil as it was being removed. During inspection severe corrosion was noted as well as a 1-inch diameter hole in the bottom of the tank (west end) and a 1/4-inch hole in the bottom (east end). Heavily stained soil was observed below the tank as well high readings on the PID (up to 278 PPM).

Contaminated soils, identified by PID, were removed until non-detect levels were observed. Two samples (T1-A & T1-B) were obtained from the base of the excavation. The samples were taken from the base of the excavation, approximately 10-12 feet below ground level (4 feet below the former tank base). The samples were labeled, recorded on a chain of custody form, and immediately preserved in an insulated container at 40°F. The samples were submitted to an independant analytical laboratory for EPA Method 601/602 and total petroleum hydrocarbons (TPH) analysis.

Initial Abatement Measures

Detectable levels of volatile organic vapors were identified in soil at the site. North End Transmission took specific measures beyond reporting the release to the Michigan State Police Fire Marshal Division (MSPFMD) as required by the Leaking Underground Storage Tank Act. These measures were as follows:

1) Free Product Removal

Waste oil was pumped from the tank prior to removal activities. During visual inspection of the tank exterior following removal, two holes were observed.

2) Prevention of Further Migration of Contamination

Contaminated soils were removed from the tank excavation and staged on-site awaiting appropriate disposal. Contaminated soil was removed until all visually stained soil was removed and non-detect levels were obtained on the PID.

3) Monitoring and/or Mitigating Fire and Safety Hazards

The site activities were monitored by Superior Health and Safety Coordinator, Mr. Mike Kendall. No Hazards, beyond those normally anticipated, were identified during site activities and none required abatement.

4) Contaminated Soil Remediation

Approximately 100 cubic yards of soil were excavated and staged on-site. This soil had concentrations of volatile organic vapors of up to 278 ppm as indicated by PID screening. A composite soil sample (listed as T-1 on analytical) of the spoils was obtained and sent to an independant analytical lab and analyzed as required to permit entry to a type II landfill (see results, attached).

5) Free Product

Free product outside the tank was identified during the closure. The free product was immediately removed by excavation. Being that it was waste oil the product was easily recovered. All stained soil observed was subsequently removed, as well as soil that exhibited volatile organic vapor readings on the PID.

6) Soil and Ground Water Sampling

Soil samples (results attached) were collected and analyzed for EPA 601/602 and TPH parameters. Ground water was not encountered during the excavation activities.

Analytical Results

The analyses (attached) indicate that detectable levels of benzene, toluene, ethylbenzene and xylenes remain in the soils adjacent to the former tank location. These levels exist above the allowable concentrations of 10 parts per billion as defined by MDNR guidelines. Furthermore, additional remediation/investigation will need to be undertaken to comply with Act 478. This includes an initial site characterization and work plan due to the Michigan Department of Natural Resources within 45 days of the reported release date.

PROTOCOL FOR
HEAD-SPACE SCREENING FOR
VOLATILE ORGANIC COMPOUNDS

On-site screening of soils for volatile organic compounds (V.O.C.) is a powerful tool for the environmental investigator attempting to optimize the acquisition of data and requisite expenditure of clients funds. Because many variables are involved in the process, Superior Environmental Corp. has developed an analytical protocol to minimize the influence of these variables.

The detection component of the technique is accomplished using a Thermo-Environmental Model 580-A (or comparable brand) organic vapor monitor (OVM). The OVM has a small diaphragm pump which pulls air through a 1/4" I.D. inlet tube. The air passes through a detection chamber where it is subjected to bombardment by photons which are emitted from an 11.2 electron volt (eV) ultra-violet lamp. The organic molecules which have sufficiently low photoionization potentials are ionized by this energy source. The liberated ions are collected, forming a small current which is amplified and eventually measured by a potentiometric recorder. The signal is then converted by an internal microprocessor to a digital reading in parts per million.

Through this collection of gas with the pump and ionization it becomes possible to quantify the volatile organic compounds present in a particular volume of gas.

The operation of the OVM is largely independent of sampling techniques. To insure optimal VOC screening, the quantity of sample, temperature, flow rate and head space volume are kept as constant as possible. The OVM is calibrated daily by sending pure isobutylene in known concentrations through the detector in order to assure quality control and minimize error through instrument drift.

A step by step description of the field method follows:

PORTABLE PHOTO-IONIZATION DETECTOR
FIELD HEAD-SPACE SCREENING
FOR VOLATILE ORGANIC COMPOUNDS

- 1) Place the soil sample in a 16 oz mason jar with a "ring-type" two part lid until approximately half filled.
- 2) Place a piece of aluminum foil over the top of the jar and seal the lid with:
 - a) both parts of the lid if the samples are going to be held for later analysis or,
 - b) with just the ring portion if analysis is to be performed immediately.
- 3) The sample can be equilibrated with either the ambient air temperature or a water bath as long as the temperature of the medium (air or water) is constant for all of the samples that are going to be compared with one another. (A water-bath should be used whenever possible.)
- 4) Place the sample in the water bath (or somewhere out of direct sunlight if ambient air is used) for approximately 20 minutes. If sample still has two-part lid remove the lid without disturbing the foil and replace the ring prior to placing in water bath.
- 5) Record the base line reading on the P.I.D.
- 6) Remove sample and pierce the foil with the PID probe, making as small a hole as possible. Hold the probe as close to the center of the head space as possible and watch the PID meter/readout and hold the probe until the reading peaks.
- 7) Remove the probe and record the highest meter reading.
- 8) Return the sample to the spoils pile or reseal and place into storage as appropriate.

TABLE 1

Ionization Potentials for Selected Molecules

<u>Compound</u>	<u>I.P. (eV)</u>
Diethylesulfide	8.43
M-Xylene	8.56
Dimethyl Sulfide	8.68
Toluene	8.82
Cyclohexane	8.94
1, 3 - Butadiene	9.07
Benzene	9.25
Pyridine	9.32
TetrachloroEthylene	9.32
Trichloroethylene	9.45
Allyl Alcohol	9.67
Acetone	9.69
Methyl Ethyl Ketone	9.53
Tetrahydrofuran	9.54
Cyclohexene	9.88
Vinyl Chloride	9.95
Carbon Disulfide	10.08
Acrolein	10.10
Hexane	10.17
Ethyl Alcohol	10.48
Ethylene	10.51
Choloroethane	10.98
1, 1 - Dichloroethane	11.06
T=1, 2 - Dichloroethene	11.12
Methylene Chloride	11.28

UST CLOSURE/INSPECTION

Job# 19065 Date: 1-23-90

Job Name: North end Transmission Client: _____

UST Owner: Ed Shered Owner Phone: _____

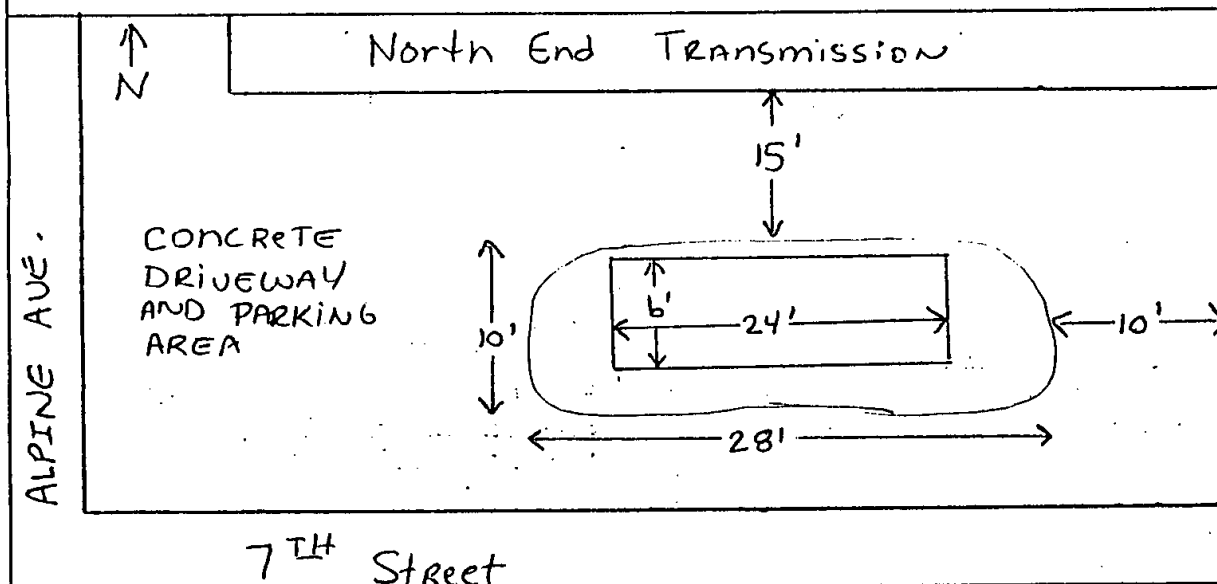
Site Add.: 802 Alpine Ave. Grand Rapids, Michigan

Owner Add.: _____

Regulatory Agency/Rep.: NONE PRESENT

Superior Representative: MR. Michael KENDALL

Site Sketch: include North Arrow & Approx. Distances Measurements



TANK INFORMATION						SITE CONDITIONS				
TANK	SIZE GAL.	FORMER CONTNT	COATING	CONST.	CORR.	ODOR	WATER PRES.	PID RD.	PROD PRES	RELEA
1	6000	H	B	S	H*	Y	N	4278	N	Y

See reverse for comments/key



Brighton Analytical Inc.

1576 Alloy Parkway

Phone (313) 887-5364

Highland, Michigan 48031

VOLATILE ORGANIC ANALYSIS

DATE: February 12, 1990

PROJECT: Superior - #19065

N End Transmission

SAMPLE: T1-B

1/24/90

COMPOUND	UNITS (ppb)	CONC.	DETECTION LIMIT
Bromomethane	ug/kg	u	5
Bromodichloromethane	ug/kg	u	5
Bromoform	ug/kg	u	5
Carbon Tetrachloride	ug/kg	u	5
Chlorobenzene	ug/kg	u	5
Chloroethane	ug/kg	u	5
2-Chloroethyl Vinyl Ether	ug/kg	u	5
Chloroform	ug/kg	u	5
Chloromethane	ug/kg	u	5
Dibromochloromethane	ug/kg	u	5
1,1-Dichloroethane	ug/kg	u	5
1,2-Dichloroethane	ug/kg	u	5
1,1-Dichloroethene	ug/kg	u	5
Trans-1,2-Dichloroethene	ug/kg	u	5
1,2-Dichloropropane	ug/kg	u	5
Cis-1,3-Dichloropropene	ug/kg	u	5
Trans-1,3-Dichloropropene	ug/kg	u	5
Methylene Chloride	ug/kg	u	5
1,1,2,2-Tetrachloroethane	ug/kg	u	5
Tetrachloroethene	ug/kg	u	5
1,1,1-Trichloroethane	ug/kg	u	5
1,1,2-Trichloroethane	ug/kg	u	5
Trichloroethene	ug/kg	u	5
Trichlorofluoromethane	ug/kg	u	5
Vinyl Chloride	ug/kg	u	5
Benzene	ug/kg	u	5
Toluene	ug/kg	u	5
Ethyl Benzene	ug/kg	u	5
Xylenes	ug/kg	42	5

NOTE: u = NOT detected at this detection limit

K = Present at a level BELOW detection limit



Brighton Analytical Inc.

1576 Alloy Parkway

Phone (313) 887-6364

Highland, Michigan 48031

VOLATILE ORGANIC ANALYSIS

DATE: February 12, 1990

PROJECT: Superior - #19065

N End Transmission

SAMPLE: T1-A

1/24/90

COMPOUND	UNITS (ppb)	CONC.	DETECTION LIMIT
Bromomethane	ug/kg	u	5
Bromodichloromethane	ug/kg	u	5
Bromoform	ug/kg	u	5
Carbon Tetrachloride	ug/kg	u	5
Chlorobenzene	ug/kg	u	5
Chloroethane	ug/kg	u	5
2-Chloroethyl Vinyl Ether	ug/kg	u	5
Chloroform	ug/kg	u	5
Chloromethane	ug/kg	u	5
Dibromochloromethane	ug/kg	u	5
1,1-Dichloroethane	ug/kg	u	5
1,2-Dichloroethane	ug/kg	u	5
1,1-Dichloroethene	ug/kg	u	5
Trans-1,2-Dichloroethene	ug/kg	u	5
1,2-Dichloropropane	ug/kg	u	5
Cis-1,3-Dichloropropene	ug/kg	u	5
Trans-1,3-Dichloropropene	ug/kg	u	5
Methylene Chloride	ug/kg	u	5
1,1,2,2-Tetrachloroethane	ug/kg	u	5
Tetrachloroethene	ug/kg	u	5
1,1,1-Trichloroethane	ug/kg	u	5
1,1,2-Trichloroethane	ug/kg	u	5
Trichloroethene	ug/kg	u	5
Trichlorofluoromethane	ug/kg	u	5
Vinyl Chloride	ug/kg	u	5
Benzene	ug/kg	10	5
Toluene	ug/kg	41	5
Ethyl Benzene	ug/kg	15	5
Xylenes	ug/kg	540	5

NOTE: u = NOT detected at this detection limit

K = Present at a level BELOW detection limit



Brighton Analytical Inc.

1576 Alloy Parkway

Phone (313) 887-6364

Highland, Michigan 48031

DATA SUMMARY SHEET

DATE: January 27, 1990

PROJECT: Superior Environmental - #19065 N. E. Transmission

<u>PARAMETER</u>	<u>UNITS</u>	<u>T-1</u> <u>1/23</u>
Benzene	ug/kg	<2000
Toluene	ug/kg	19000
Ethyl Benzene	ug/kg	<2000
Xylenes	ug/kg	100000
Total Petroleum Hydrocarbons	mg/kg	4000
Flashpoint	°F	130°

Notification for Underground Storage Tanks

FORM APPROVED
OMB NO. 2050-0049
APPROVAL EXPIRES 6-30-88

FOR
TANKS
IN
MI

RETURN
COMPLETED
FORM
TO

Ground Water Quality Division
Department of Natural Resources
Box 30157
Lansing, MI 48909
MAR 20 1990

I.D. Number

STATE USE ONLY

Date Received

3/7/90

GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—

(a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and

(b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. gasoline, used oil, or diesel fuel, and 2. industrial solvents, pesticides, herbicides or fumigants.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:

1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
2. tanks used for storing heating oil for consumptive use on the premises where stored;
3. septic tanks;

4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an interstate pipeline facility regulated under State laws;
5. surface impoundments, pits, ponds, or lagoons;
6. storm water or waste water collection systems;
7. flow-through process tanks;
8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;
9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

Where To Notify? Completed notification forms should be sent to the address given at the top of this page.

When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

INSTRUCTIONS

Please type or print in ink all items except "signature" in Section V. This form must be completed for each location containing underground storage tanks. If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form.

Indicate number of continuation sheets attached

I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)

North End Transmission

Street Address

802 Alpine

County

Kent County

City

State

ZIP Code

Grand Rapids, MI 49504

Area Code

Phone Number

(616) 454-3097

Type of Owner (Mark all that apply ☒)

☒ Current

☐ State or Local Gov't

☒ Private or Corporate

☐ Former

☐ Federal Gov't (GSA facility I.D. no. _____)

☐ Ownership uncertain

II. LOCATION OF TANK(S)

(If same as Section I, mark box here ☒)

Facility Name or Company Site Identifier, as applicable

North End Transmission

Street Address or State Road, as applicable

802 Alpine

County

Kent County

City (nearest)

Grand Rapids,

State

MI

ZIP Code

49504

Indicate number of tanks at this location

 1

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands ☐

III. CONTACT PERSON AT TANK LOCATION

Name (If same as Section I, mark box here ☐)

Job Title

Area Code

Phone Number

Ed Shered

(616) 454-3097

IV. TYPE OF NOTIFICATION

☐ Mark box here only if this is an amended or subsequent notification for this location.

V. CERTIFICATION (Read and sign after completing Section VI.)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative

Signature

Date Signed

EDWARD D. SHERD OWNER

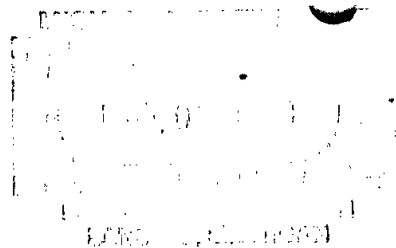
Edward D. Sherd

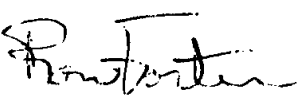
3/6/90

CONTINUE ON REVERSE SIDE

NORTH GARFIELD EXCAVATING
2240 BYRON CENTER RD
WYOMING, MI 49509

RON FORTIN
PRESIDENT
(616) 532-6550



JOB NO. #013	CONTRACTOR NO. 200000	MID or MIG NO. N/A	PERMIT NO. N/A
NAME OF OWNER: North End Transmission Ed Shered		PRODUCT DESTINATION None	
ADDRESS: 802 Alpine Grand Rapids, MI 49504		TANK DESTINATION Grand Rapids Lot	
PHONE: (616) 454-3097			
CONTACTOR: Visser's Sales & Service 1130 Arianna St NW		LAB ANALYSIS NO. OF SAMPLES ***	
ADDRESS: Grand Rapids, MI 49504		SOLID/LIQUID	
PHONE: (616) 459-8254			
LOCATION OF TANK: 802 Alpine Grand Rapids, MI		TANK SIZE: 6,000	
		NO. OF TANKS: 1	
		HAZARDOUS NON-HAZARDOUS +---+ +---+	
DOCUMENT OF ANALYSIS: *** See attached 'report of UST Closure'			
ADDITIONAL COMMENTS: Tank was removed by North Garfield Excavating, Inc.			
CERTIFICATION OF DISMANTLEMENT -AUTHORIZED SIGNATURE-		RECYCLED YES NO +---+ +---+	PICK UP DATE: 01-23-90
RONALD A. FORTIN			
			
PRESIDENT		PRODUCT WASTE TO ENERGY YES NO +---+ +---+ None	DISMANTLEMENT DATE: 02-09-90

Alderink and Associates, Inc.

*Occupational Health and Safety,
Energy Management and Environmental Consultants*

ENV. RESPONSE S.
GRAND RAPIDS

JAN 8 1991

RECEIVED

REPORT OF FINDINGS

SITE INVESTIGATION

NORTH END TRANSMISSION
802 ALPINE AVENUE N.W.
GRAND RAPIDS, MICHIGAN 49504

DECEMBER, 1990
PROJECT NO. 2139

PREPARED FOR:

MR. DAVID SHERD
802 ALPINE AVENUE N.W.
GRAND RAPIDS, MI 49504

PREPARED BY:

Gene Gitting
ALDERINK AND ASSOCIATES, INC.
3221 3-MILE ROAD N.W.
GRAND RAPIDS, MI 49504

Alderink and Associates, Inc.

Occupational Health and Safety,
Energy Management and Environmental Consultants

RESPONSE UNIT
JAN 8 1991

REPORT OF FINDINGS

NORTH END TRANSMISSION

RECEIVED

INTRODUCTION

Alderink and Associates, Inc., of Grand Rapids, Michigan conducted a site investigation at North End Transmission on November 21 and 28, 1990. The investigation was performed in response to soil contamination identified during the closure of an underground storage tank located at the site. The scope of the investigation was based upon information provided in the "Report of UST Closure and Initial Abatement Measures" dated February 12, 1990 and prepared by Superior Environmental Corp.

DISCUSSION

Site Description

The site is located at 802 Alpine Avenue in Grand Rapids, on the northeast corner of Alpine Avenue and Seventh Street. The surrounding area consists predominantly of residential houses, with some commercial businesses along Alpine Ave. According to Superior's report, a 6000 gallon waste oil Underground Storage Tank (UST) was removed from the south side of the existing building within a parking lot covered with asphalt and concrete. The site is serviced by the City of Grand Rapids municipalities (i.e. water, sanitary).

Field Investigation

As indicated on Figure 1, a series of five (5) soil borings were drilled at locations necessary to encompass the area from which the underground storage tank was removed. The study area was bound on the north by the existing building structure, on the east by a chain link fence, on the south by Seventh Street and on the west by Alpine Avenue. A number of buried utilities were suspected to exist along the south and west sides of the site. In addition, overhead electrical power lines were present along the south and west sides of the site, limiting the lateral extent of the drilling activities.

In general, the natural soils on the site consisted of a brown fine to medium sand grading to a gray silty clay at a depth between 10 and 12 feet. Limestone bedrock was encountered at a depth of 12 feet. No groundwater was encountered in the borings on the site. The soil boring logs have been included in Appendix B.

H-NU Field Readings

An H-NU PhotoIonization Detector (PID), Model PI-101, was used to field screen all soils immediately upon removing the samples from the ground. The H-NU device is a direct reading instrument capable of detecting total Volatile Organic Compounds (VOC) in concentrations ranging from 0.1 to 2000 parts per million (ppm). The results of H-NU field screening activities can be found along the right hand column of the boring log in Appendix B.

The H-NU device did not indicate the presence of volatile organic compounds within any of the soil borings with the exception of Soil Boring #2. An H-NU reading of 40 ppm was detected in the soils at a depth between 10 and 12 feet in Soil Boring #2.

Decontamination Procedures

In order to eliminate the possibility of cross-contaminating samples and soil, all down-hole equipment was decontaminated using a high temperature, high pressure steam cleaner before and after each boring. A water temperature in excess of 230 degrees Fahrenheit was maintained during decontamination procedures. In addition, the split-spoon sampling devices were decontaminated with a solution of tri-sodium phosphate and rinsed with distilled water between each use.

Laboratory Results

A total of five (5) soil samples were collected and submitted to Prein and Newhof for laboratory analysis. The soil samples were analyzed for PolyNuclear Aromatic Hydrocarbons (PNA's) and purgeable aromatic hydrocarbons (Benzene, Toluene, Ethylbenzene, Xylene - BTEX).

As indicated on the laboratory results found in Appendix A, no detectable concentrations of PNA's or BTEX were identified in soil samples SB1, SB4 and SB5. Soil sample SB3 was found to contained 25 parts per billion of Xylenes. Soil sample SB2 was found to contain 100 ppb Ethylbenzene, 29 ppb Toluene, and 205 ppb Xylenes. No PNA constituents were detected in either SB2 or SB3.

Discussion of Results

The indicated concentrations of hydrocarbon contamination exceed the State's recommended clean-up guidelines established for a Type A site closure, P.A. Act 478 as amended (See Table I). However, the detected levels fall within the limits of a Type B site closure.

In review of the initial abatement measures conducted at the site as well as the results of this site investigation, it is evident that the most significantly impacted soils have been removed from the site. Only a trace (25 ppb) of Xylenes remain on the west

end of the site when compared to the original Xylene concentrations of 100,000 ppb existing prior to abatement (See sample T-1, Initial Abatement Report - Feb. 12, 1990).

The northern extent of the original excavation lies approximately 15 feet south of the facility wall. Soil boring SB2 was drilled approximately 7 feet south of the facility wall or 8 feet north of the north wall of the excavation. Laboratory analysis of SB2 indicates that contamination remains within the soils along the north side of the excavation. It is possible that the contamination extends to some point beneath the existing building structure, however this has not been confirmed.

Recommendations

Based on the field observations and laboratory results, the following are considered to be the most feasible options available.

1. Additional Soil Excavation: The soil along the north and west sides of the original excavation should be removed to a depth of approximately 12 feet. As shown on Figure 2, an estimated 395 cubic yards of soil may require removal. Concerns with undermining both the building structure and city utilities will need to be addressed prior to implementing any additional excavation at the site. Additional soil samples should be collected from the walls and, if necessary, the floor of the resulting excavation.
2. Request for Type B Site Closure: The elimination of the source of contamination and the removal of the significantly impacted soils have minimized the extent of soil contamination at the site. Pathways such as groundwater, which act as a mechanism for the spread of contamination, do not exist at the site. The absence of contamination within the soil samples collected from the east, south and center of the former tank location as well as the evident decrease in the BTEX concentrations along the west and north sides of the site, and the presence of subsurface obstacles and hazards are all conditions characteristic of a Type B Site Closure.

It is recommended that the Michigan Department of Natural Resources, Environmental Response Division be contacted for review of the available information and approval of any such actions being considered. If Alderink and Associates, Inc. can be of any further assistance to you in this matter, please do not hesitate to contact our office.

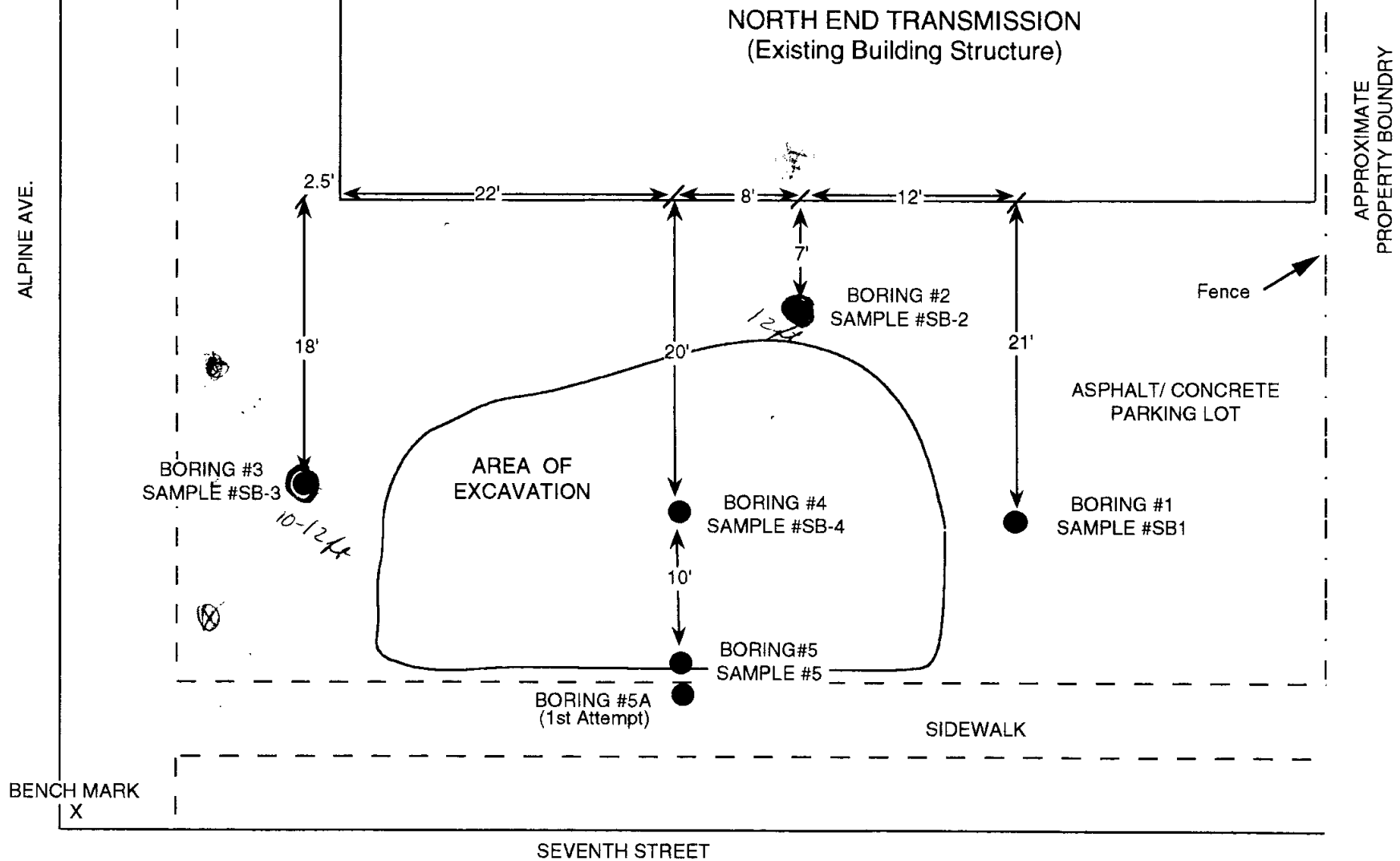


FIGURE 1: SOIL BORING LOCATIONS

Alderink and Associates, Inc.

North End Transmisson
802 Alpine Ave.
Grand Rapids, MI 49504

Job # 2139

Sheet # 1 of 1

Date DEC. 13, 1990

Project SITE INVESTIGATION

Drawn by ML

Scale 1" = 10'

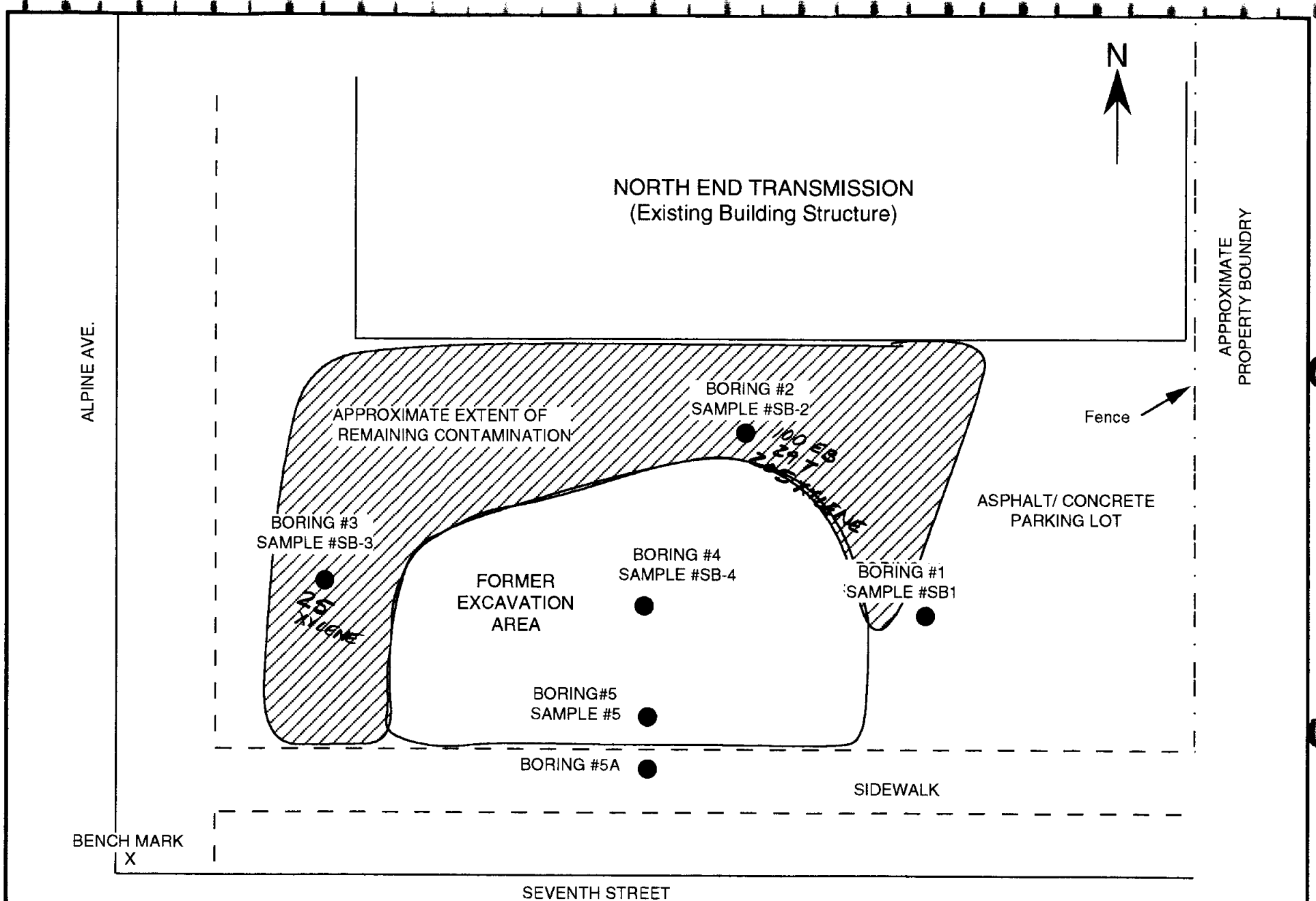


FIGURE 2: APPROXIMATE EXTENT OF REMAINING SOIL CONTAMINATION (//)

Alderink and Associates, Inc.

North End Transmission
802 Alpine Ave.
Grand Rapids, MI 49504

Job # 2139

Sheet # 1 of 1

Date DEC. 31, 1990

Project SITE INVESTIGATION

Drawn by EJG

Scale 1" = 10'

APPENDIX A

Results of Laboratory Analysis



PREIN & NEWHOF, P.C.

ENGINEERS — SURVEYORS — ENVIRONMENTAL & SOILS LABORATORIES

3355 EVERGREEN DR., N.E.
GRAND RAPIDS, MICHIGAN 49505
TELEPHONE (616) 364-8491
TELECOPIER (616) 364-6955

BRANCH OFFICE:
400 136th AVE., SUITE 517
HOLLAND, MICHIGAN 49424
TELEPHONE (616) 394-0200
TELECOPIER (616) 394-5914

RECEIVED DEC 12 1990

December 11, 1990
90033L

H. EDWARD PREIN PE, RLS
THOMAS NEWHOF PE
WILSON, D. McQUEEN PE
MICHAEL S. BERGSTROM PE
MICHAEL S. FULLER PE
PHILIP C. GLUPKER PE
JAMES A. COOK PE
ROBERT J. VANDER MALE PE
ROBERT J. REIMINK PE
ARTHUR W. BRINTNALL RLS
REY A. MILLIRON RLS
SIDNEY P. WAGNER JR. PE
BASIL J. ANDRESS JR. RLS
RICHARD J. REIMBOLD PE
LARRY D. STEHOUWER PE

Mr. Gene Gutting
Alderink & Associates
3221 3 Mile Road NW
Grand Rapids, Mi 49504

Re: Project: North End Trans
Project = 2139
Chain of Custody = 002672
Samples received 11/28/90

LABORATORY RESULTS

Soil Sample =	SE 1 (10-12)	SB 2 (12)	SB 3 (10-12)	SB 4 (10-11)	SB 5 (10-12)
Lab Log =	5737	5738	5739	5740	5741

Method 610: Polynuclear Aromatic Hydrocarbons, reported as ug/Kg

Acenaphthene	ND**	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND
Benzo(b)fluoranthene & Benzo(k)fluoranthene (1)	ND	ND	ND	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene & Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND

(1) Compounds Coelute

ND** indicates none detected at or above the method detection limit of 300 ug/Kg

Alderink-2139
12/11/90
Page 2

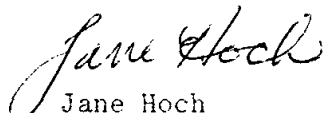
Soil Sample =	SB 1 (10-12)	SB 2 (12)	SB 3 (10-12)	SB 4 (10-11)	SB 5 (10-12)
Lab Log =	5737	5738	5739	5740	5741

ETEX. reported as ug/Kg

Benzene	ND*	ND	ND	ND	ND
Ethylbenzene	ND	100	ND	ND	ND
Toluene	ND	29	ND	ND	ND
Xylene isomers (o-,m-&p-)	ND	205	25	ND	ND

*ND indicates none detected at or above the method detection limit of 10 ug/Kg

PREIN & NEWHOF
Environmental Laboratory


Jane Hoch
Laboratory Director

APPENDIX B

Soil Boring Logs

Alderink and Associates, Inc.

3221 - 3 Mile Rd. N.W.
Grand Rapids, Michigan 49504
Ph (616) 791-0730 Fax (616) 791-4114

LOG OF BORING

PROJECT # 2139
BORING # SB 1
SHEET# 1 of 1

Project North End Transmission Contractor Stearns Drilling
Client Mr. David Sherd Date Begin Date End
Location Grand Rapids, MI
Crew Chief D. Daverman Rig Type CME-55
Inspector E. Gutting Plugging Record
Reviewed By Cuttings and Bentonite mix
Elevation Seepage 9.0'
Datum Depth Drilled 12.0'
Notes Rain

DEPTH FT	SAMPLE NO	REC. FT	PENETRATION (Blows per 6") ASTM D-1586	UNIF. SOIL CLASS	DESCRIPTION	REMARKS
					6" concrete	H-NU Deflections (ppm)
2			N/A	SP	Brown F-M SAND. Trace fine gravel, damp.	
4		8/24"				none
6						
8				SP	Grades to gray gravelly SAND, wet.	8.0 +/-ft.
10	SB 1	12/24"				10.5 +/-ft. none
12				CL	Gray silty CLAY, damp	
					Limestone at 12.0' HSA advancement not possible E.O.B. at 12.0'	

Alderink and Associates, Inc.

3221 - 3 Mile Rd. N.W.
Grand Rapids, Michigan 49504
Ph (616) 791-0730 Fax (616) 791-4114

LOG OF BORING

PROJECT # 2139
BORING # SB 2
SHEET# 1 of 1

Project North End Transmission Contractor Stearns Drilling
Client Mr. David Sherd Date Begin November 21, 1990 Date End November 21, 1990

Location	Grand Rapids, MI			Type	Dia.	No.	Groundwater	
Crew Chief	D. Daverman	Rig Type		CME-55				
Inspector	E. Gutting	Plugging Record		Casing	HSA	3 1/4"	During	none
Reviewed By	Cuttings and Bentonite Mix		Sampler	SBS	2"	End	none	
Elevation			Core			Seepage	none	
Datum	Depth Drilled 12.0'		Tube			Date	Depth	
Notes	Rain							

DEPTH FT	SAMPLE NO	REC. FT	PENETRATION (Blows per 6") ASTM D-1586	UNIF. SOIL CLASS	DESCRIPTION	REMARKS
2			N/A	SP	Brown F-M SAND. Trace fine gravel, damp.	H-NU Deflections (ppm) none
4		18/24"				
6						
8						8.5 +/- ft.
10		12/24"		CL	Grey sandy CLAY	40 ppm
12	SB 2				Limestone at 12.0'	none
					HSA Advancement not possible E.O.B. at 12.0'	

Alderink and Associates, Inc.

3221 - 3 Mile Rd. N.W.
Grand Rapids, Michigan 49504
Ph (616) 791-0730 Fax (616) 791-4114

LOG OF BORING

PROJECT # 2139
BORING # SB 3
SHEET# 1 of 1

Project North End Transmission Contractor Stearns Drilling
Client Mr. David Sherd Date Begin 11/28 Date End 11/28
Location Grand Rapids, MI
Crew Chief D. Daverman Rig Type CME-55
Inspector E. Gutting Plugging Record Cuttings and Bentonite mix
Reviewed By Casing HSA Dia. 3 1/4" No. Groundwater
Elevation Sampler SBS 2" During none
Datum Core End none
Notes Tube Seepage none
Date Depth

DEPTH FT	SAMPLE NO	REC. FT	PENETRATION (Blows per 6") ASTM D-1586	UNIF. SOIL CLASS	DESCRIPTION	REMARKS
2			N/A	SM		H-NU Deflections (ppm)
4		12/24"			Brown sandy SILT damp (Gravel in sampler shoe)	none
6					<u>Grades to gray sandy SILT</u>	8.5 +/- ft. none
8				ML-CL	Gray SILT and CLAY, trace of fine gravel, damp	
10		20/24"				
12					Spoon attempted at 12'- no advancement limestone at 12'	
					E.O.B. at 12'	

Alderink and Associates, Inc.

3221 - 3 Mile Rd. N.W.
Grand Rapids, Michigan 49504
Ph (616) 791-0730 Fax (616) 791-4114

LOG OF BORING

PROJECT # 2139
BORING # SB 3
SHEET# 1 of 1

Project North End Transmission Contractor Stearns Drilling
Client Mr. David Sherd Date Begin 11/28 Date End 11/28
Location Grand Rapids, MI
Crew Chief D. Daverman Rig Type CME-55
Inspector E. Gutting Plugging Record
Reviewed By Cuttings and Bentonite mix
Elevation
Datum Depth Drilled 12.0'
Notes

Type	Dia.	No.	Groundwater
Casing	HSA	3 1/4"	During none
Sampler	SBS	2"	End none
Core			Seepage none
Tube			Date Depth

DEPTH FT	SAMPLE NO	REC. FT	PENETRATION (Blows per 6") ASTM D-1586	UNIF. SOIL CLASS	DESCRIPTION	REMARKS
2			N/A			H-NU Deflections (ppm)
4		12/24"		ML	Brown sandy SILT damp (Gravel in sampler shoe)	none
6					Grades to gray sandy SILT	none
8					-----	8.5 +/- ft.
10	SB3	20/24"		ML-CL	Gray SILT and CLAY, trace of fine gravel, damp	
12					Spoon attempted at 12'- no advancement limestone at 12'	
					E.O.B. at 12'	

Alderink and Associates, Inc.

3221 - 3 Mile Rd. N.W.
Grand Rapids, Michigan 49504
Ph (616) 791-0730 Fax (616) 791-4114

LOG OF BORING

PROJECT # 2139
BORING # SB 4
SHEET# 1 of 1

Project North End Transmission Contractor Stearns Drilling
Client Mr. David Sherd Date Begin 11/28/90 Date End 11/28/90
Location Grand Rapids, MI
Crew Chief D. Daverman Rig Type CME-55
Inspector E. Gutting Plugging Record
Reviewed By Cuttings and Bentonite mix
Elevation
Datum Depth Drilled 11.0'
Notes

Type	Dia.	No.	Groundwater
Casing	HSA	3 1/4"	During none
Sampler	SBS	2"	End none
Core			Seepage none
Tube			Date Depth

DEPTH FT	SAMPLE NO	REC. FT	PENETRATION (Blows per 6") ASTM D-1586	UNIF. SOIL CLASS	DESCRIPTION	REMARKS
2			N/A	SP	Light Brown fine to medium SAND, trace fine gravel, damp (fill)	H-NU Deflections (ppm) none
4		24/24"				
6						
8						
10	SB 4	12/12"		ML-CL	Gray SILT and CLAY, damp Limestone at 11.0' no advancement of Rig	9.0 +/- ft.
12					E.O.B. at 11.0'	

Alderink and Associates, Inc.

3221 - 3 Mile Rd. N.W.
Grand Rapids, Michigan 49504
Ph (616) 791-0730 Fax (616) 791-4114

LOG OF BORING

PROJECT # 2139
BORING # SB 5
SHEET# 1 of 1

Project North End Transmission Contractor Stearns Drillings
Client Mr. David Sherd Date Begin 11/28/90 Date End 11/28/90
Location Grand Rapids, MI
Crew Chief D. Daverman Rig Type CME-55
Inspector E. Gutting Plugging Record Casings HSA 3 1/4" During none
Reviewed By Cuttings and Bentonite mix Sampler SBS 2" End none
Elevation Core Seepage none
Datum Depth Drilled 12.0' Tube Date Depth
Notes

DEPTH FT	SAMPLE NO	REC. FT	PENETRATION (Blows per 6") ASTM D-1586	UNIF. SOIL CLASS	DESCRIPTION	REMARKS
2						H-NU Deflections (ppm)
4						
6		24/24"		SW	Brown fine-coarse SAND, little fine gravel, trace silt, damp	none
8				SP	Grades to yellow brown fine to medium SAND, trace silt damp	6.5 +/- ft.
10	SB 5	24/24"		ML	Gray sandy SILT, damp	9.5 +/- ft. none
12					Limestone at 12.0' no advancement of Rig E.O.B. at 12.0'	

Alderink and Associates, Inc.

3221 - 3 Mile Rd. N.W.
Grand Rapids, Michigan 49504
Ph (616) 791-0730 Fax (616) 791-4114

LOG OF BORING

PROJECT # 2139
BORING # SB 5A
SHEET# 1 of 1

Project	North End Transmission	Contractor	Stearns Drilling
Client	Mr. David Sherd	Date Begin	11/28/90
Location	Grand Rapids, MI	Date End	11/28/90
Crew Chief	D. Daverman	Rig Type	CME-55
Inspector	E. Gutting	Plugging Record	
Reviewed By		Cuttings and Bentonite mix	
Elevation			
Datum		Depth Drilled	4.0'
Notes			

Casing	HSA	Dia.	No.	Groundwater
Sampler	SBS	3 1/4"		During
Core		2"		End
Tube				Seepage
				Date
				Depth

DEPTH FT	SAMPLE NO	REC. FT	PENETRATION (Blows per 6") ASTM D-1586	UNIF. SOIL CLASS	DESCRIPTION	REMARKS
2				SP	Yellow Brown fine to Medium SAND, trace fine gravel, damp	none
4					Attempted spoon at 4.0' encountered unknown obstacle No Advancement- RELOCATE BORING	
6						
8						
10						
12						

APPENDIX C

Terminology

BORING LOG TERMINOLOGY

Sample Type: "SBS" and "L" are the split barrel and liner samplers used to recover soil samples in the ASTM D 1586 Standard Penetration Test.

"S.T." refers to the thin-walled sampler used to recover relatively undisturbed soil samples in the ASTM D 1587 method of sampling.

"A" refers to a disturbed auger sample.

"C" refers to a rock core sample obtained by Diamond Core Drilling in accordance with ASTM D 2113.

"P.M." refers to Pressurimeter Test Location.

"C.S." refers to CME Continuous Sampler.

Boring Method: "H.S.A." refers to Hollow Stem Auger.

"S.S.A." refers to the Solid Stem Auger.

"W" refers to the Wash Boring Method.

"R" refers to the Rotary Method.

"C" refers to the Casing Method by Driving.

"C.A." refers to Casing Advancer.

Water Observations: Depth of water is measured from the top of ground to top of water level. Initial depth indicates water encountered during boring, completion depth indicates water level immediately after boring, and depth of "X" number of hours indicates water level after a time period.

Water observations in pervious soils are considered reliable groundwater levels for the date. Water observations in impervious soils may not be accurate groundwater measurements unless records are made over several days' time. The groundwater level will fluctuate for both pervious and impervious soils.

Soil Descriptors

Color: When the color of the soil is uniform throughout, a single color such as brown, gray or black will be used. If the soil is shaded by a secondary color, the secondary color precedes the primary color, such as: gray-brown, yellow-brown. If two distinct colors are swirled throughout the soil, the colors will be described as mottled, such as mottled brown and gray.

Soil Type:	<u>Coarse-Grained Soil Component</u>	<u>Size or Sieve No.</u>
	Boulders	Larger than 12"
	Cobbles	12" to 3"
	Gravel--Coarse	3" to 3/4"
	--Fine	3/4" to No. 4
	Sand--Coarse	No. 4 to No. 10
	--Meduim	No. 10 to No. 40
	--fine	No. 40 to No. 200
	<u>Fine-Grained Soil Component (Burmister)</u>	<u>Plasticity Index</u>
	Silt	<1
	Clayey Silt	1 to 5
	Silt and Clay	5 to 10
	Clay and Silt	10 to 20
	Silty Clay	20 to 40
	Clay	>40
Clay -	Soil passing a No. 200 (0.075mm) sieve that can be made to exhibit plasticity (putty-like properties) and exhibits considerable strength when air dry (ASTM D 2487).	
Silt -	Soil passing a No. 200 (0.075mm) sieve that is nonplastic or very slightly plastic and exhibits little or no strength when air dry (ASTM D 2487).	

Organic Soil Components (ASTM D 2487)

Organic Clay - a clay with sufficient organic content to influence the soil properties (liquid limit after oven drying less than 75% of its value before oven drying).

Organic Silt - a silt with sufficient organic content to influence the soil properties (liquid limit after oven drying less than 75% of its value before oven drying).

Peat - a soil composed of decomposed vegetable tissue with organic odor, dark-brown to black color, spongy consistency, and a fibrous to amorphous texture.

Moisture Condition:

<u>Description</u>	<u>Criteria</u>
Dry	Absence of moisture, dusty, dry to the touch
Damp	Enough moisture present to darken the appearance, but no moisture on material adheres to the hand
Moist	Will moisten the hand
Wet	Visible free water, usually soil is below water table

Layer or Stratum: Soil mass which can be characterized, for engineering purposes, by a single set of strength and classifications parameters.

Lenses: Lenses of soil occur within soil layer and range in thickness from a fraction of an inch to approximately one (1) foot thick.

Seams: Planer opening in a soil layer filled with soils of different characteristics. Soil seams are usually a fraction of an inch thick and may occur in various directions.

Density:

Granular Soils (Cohesionless)

<u>Number of Blows</u>	<u>Relative Density</u>	<u>Compactness</u>
0-4	0-20%	Very Loose
5-10	20-40%	Loose
11-30	40-70%	Medium Dense
31-50	70-90%	Dense
above 50	90-100%	Very Dense

Consistency:
Cohesive Soils

<u>Number of Blows</u>	<u>Approximate Shear Strength in K.S.F.</u>	<u>Cohesion</u>
0-2	0.25	Very Soft
3-4	0.25-0.5	Soft
5-8	0.5-1	Medium Stiff
9-16	1-2	Stiff
17-32	2-4	Very Stiff
above 32	above 4	Hard

Minor Component Quantifying Terms

Trace	1 - 10%
Little	10 - 20%
Some	20 - 35%
And	35 - 50%

Percentages are visual estimates of component percentage by weight, unless particle size analyses are performed.

Grading: When Soil characteristics vary gradually with depth within the same soil stratum, the variation is described by using the term "grading".

N.P.M.: Natural Percent Moisture of recovered soil sample.

N.D.: Natural Density of recovered soil sample in p.c.f.

S.S.: Underdrained Shear Strength of cohesive soil samples in k.s.f.

Classification
Data:

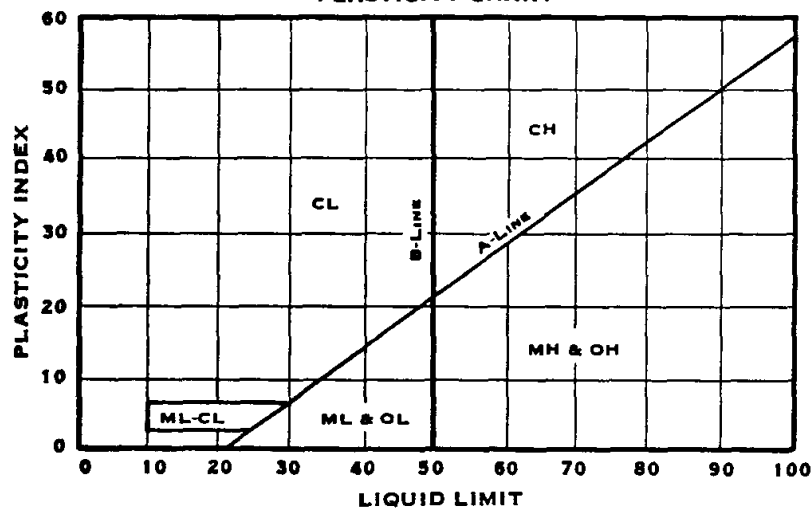
Laboratory data to assist in classification of soils and classification of soil characteristics. i.e.: Plastic Limit, Liquid Limit.

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			LETTER SYMBOL	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS <u>LARGER</u> THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION <u>RETAINED</u> ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)	GW	WELL-GRADED GRAVELS, GRAVEL-SAND FIXTURES, LITTLE OR NO FINES
			GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMT. OF FINES)	GM	SILTY GRAVELS, GRAVEL-SANDY-CLAY MIXTURES
			GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION <u>PASSING</u> NO. 4 SIEVE	CLEAN SAND (LITTLE OR NO FINES)	SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
			SP	POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMT. OF FINES)	SM	SILTY SANDS, SAND-SILT MIXTURES
			SC	CLAYEY SANDS, SAND-CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS <u>SMALLER</u> THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS LIQUID LIMIT <u>LESS</u> THAN 50		ML	INORGANIC SILTS & VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
			OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS LIQUID LIMIT <u>GREATER</u> THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
			CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
	HIGHLY ORGANIC SOILS	PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS	

PLASTICITY CHART

FOR LABORATORY CLASSIFICATION OF FINE GRAINED SOILS



Alderink and Associates, Inc.

Occupational Health and Safety,
Energy Management and Environmental Consultants

ENV. RESPONSE DIV.
GRAND RAPIDS

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REPORT OF FINDINGS
SUBSURFACE INVESTIGATIONS
NORTH END TRANSMISSION
GRAND RAPIDS, MICHIGAN

JULY, 1991
PROJECT NO. 1-2139

Prepared for:

Mr. David Sherd
North End Transmission
802 Alpine Avenue N.W.
Grand Rapids, Michigan 49504

Prepared by:

Alderink and Associates, Inc.
3221 3-Mile Road N.W.
Grand Rapids, Michigan 49504

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Figure 1	Soil Boring Locations
Figure 2	Extent of Remaining Contamination
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APPENDIX A	Results of Laboratory Analyses
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1.0 INTRODUCTION

As authorized by Mr. David Sherd, Alderink and Associates, Inc. (AAI) has completed a subsurface investigation at North End Transmission located at 802 Alpine Avenue in Grand Rapids, Michigan. The investigation was performed in accord with a work plan prepared by AAI and approved by the Michigan Department of Natural Resources, Environmental Response Division.

1.1 Purpose

The purpose of this study was to identify levels of remaining contamination and determine the site's suitability for a Type B Site Closure in accordance with 1982 P.A. 307, as amended. The closure of the site has been withheld due to the presence of contamination attributed to a leaking underground storage tank formerly located at the site. Previous results of laboratory analyses indicated remaining contaminant levels to fall within the Type B criteria.

2.0 REVIEW OF BACKGROUND INFORMATION

This section contains a review of background information presented in previous reports.

2.1 Location

North End Transmission is located at the intersection of Seventh Street and Alpine Avenue in Grand Rapids, Michigan. A vicinity map is provided in the attached Figure No. 1.

2.2 Initial Abatement Measures

On January 23, 1990, one (1) 6,000 gallon waste transmission oil underground storage tank was removed from the south side of the premises. The tank was originally used for the storage of gasoline. The tank was excavated by North Garfield and assessed by Superior Environmental.

Upon removal, the soil within the excavation was determined to be contaminated based upon olfactory observations and readings from field instrumentation (PID meter). Approximately 100 cubic yards of soil were excavated and transported off-site to a licensed Type II landfill. Soil removal was continued to a depth of

approximately 10 feet below grade at which point PID readings were not observed. Laboratory analyses of soil samples collected from the east and west ends of the resulting excavation indicated the presence of BTEX constituents between 10 to 540 parts per billion.

2.3 Subsurface Investigation

On November 21 and 28, 1990, AAI completed five soil borings in the vicinity of the former UST in order to determine the extent and levels of remaining contamination. The borings were continued to a depth of approximately 12 feet below grade. At this depth weathered shale and/or limestone was encountered, preventing further advancement of the drilling rig's hollow stem augers. Soil sample results of laboratory testing for PNA and BTEX constituents indicated low BTEX levels (25-205 ppb) remaining within the soils along the west and north perimeter of the excavation. Groundwater was not encountered during the investigation.

Based upon the low levels of BTEX remaining near the building foundation and subsurface utilities, it was agreed with the MDNR that the application of a Type B site closure warranted additional soil sampling at various locations along the perimeter of the site.

3.0 TYPE B INVESTIGATION

3.1 Soil Borings

In July, 1991, AAI completed the collection of soil samples from five borings located along the perimeter of the site. The work was completed in accord with a work plan prepared by AAI and approved by the MDNR-Environmental Response Division. The investigation included the collection and analysis of two soil samples per boring; one sample at approximately 6 feet below grade and one sample at approximately 11 feet below grade, above the underlying shale or limestone base.

As indicated in the work plan, the borings were advanced using a hand-held gasoline powered auger to 6 feet below grade followed by a manually operated hand auger to the bottom boring depth at approximately 11 feet. Three borings were conducted in this manner, however, due to the presence of cobbles at boring locations HA#3 and HA#5, the hand auger could not be advanced

beyond 6 feet. On July 18, a trailer mounted drilling rig, CME-45, was utilized to complete the collection of soil samples at HA#3 and HA#5. No groundwater was encountered during the site investigation.

While completing HA#2, located under the concrete floor of the garage, evident soil contamination was encountered approximately 11.0 feet below grade. On-site field screening of the soils utilizing an Organic Vapor Monitor (OVM), Model 580B, yielded readings of 40 parts per million (ppm).

3.2 Results of Soil Sample Analyses

A total of ten (10) soil samples were analyzed for BTEX constituents. As indicated in Table I below, BTEX was detected within HA#2B and HA#4A collected from depths of 11.0 feet and 6.5 feet respectively. For comparison, the maximum allowable BTEX contaminant levels required to meet Type B criteria are shown in the right hand column of the table. The remaining samples did not contain BTEX constituents at or above 10 parts per billion (ppb), the method detection limit (see Appendix A). The Type B criteria are based upon recently amended levels as of August 2, 1991.

TABLE I.

<u>Constituent</u>	<u>Sample HA#2B</u>	<u>Sample HA#4A</u>	<u>Type B Criteria</u>
Benzene	ND*	ND	20
Ethylbenzene	510	ND	1000
Toluene	1,392	99	20,000
Xylenes (o,m,p)	3,800	134	6,000

* None Detected at or above 10 ppb

4.0 CONCLUSION

Based upon the results of field observations and laboratory analyses, BTEX contamination remains along the west and north ends of the former excavation located to the south of the existing building (see Figure 2). The vertical extent of contamination to the west extends from the ground surface to approximately 6.5 feet below grade. Although the lateral extent of this contamination could not be defined, it is reasonable to assume that the contamination terminates at some point beneath Alpine Avenue.

In comparison to the low levels remaining to the west, significantly higher levels of BTEX were found under the building to the north. The contaminants were not detected in soil sample HA#2A, collected at 6.5 feet below grade, therefore, the plume of contamination extends northward at a depth of approximately 8 feet below grade to the top underlying shale/limestone located at 12.0 feet below grade.

The BTEX levels found in sample HA#2B fall within the State's maximum allowable levels for Type B criteria. In accordance with 1982 P.A. 307, the Michigan Department of Natural Resources, Environmental Response Division (MDNR-ERD) District staff may approve a Type B Site Closure plan with specific approval from the MDNR-ERD Committee.

In our opinion, the site conditions encountered as a result of this investigation warrant broadening the area of study to include the north and west perimeter of the site. Extending the area of investigation will facilitate the identification and characterization of the contaminant plume within the soil at North End Transmission. Two criteria which must be met for Type B consideration are 1) the contaminant levels at the site must fall below the State's maximum allowable risk-based levels, and 2) the site must exhibit decreasing contaminant levels as the outer extent of the contaminant plume is approached.

4.1 Recommendation/Site Plan

We recommend that additional investigative efforts include the completion of three soil borings and laboratory analyses of soil samples. As shown on Figure 3, the addition of two soil borings to the north and one boring to the west may completely define the lateral extent of remaining contamination. The procedures for soil boring advancement, sample collection and decontamination will be conducted in a manner consistent with those previously implemented. This will include boring to approximately 12 feet below grade and collecting soil samples at depths of approximately 6 and 11 feet. The samples will be submitted to Prein and Newhof for laboratory analyses of BTEX constituents.

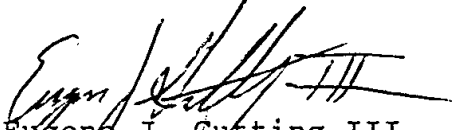
Based upon the difficulties previously encountered during the advancement of the hand auger, it is recommended that a trailer mounted drilling rig, equipped with hollow stem auger and split-barrel sampler, be utilized to advance the two exterior borings. The boring located inside the facility will be completed by hand augering through a cored opening in the concrete floor slab.

Subsequent to MDNR approval and authorization from North End Transmission, the work plan outlined above will be completed within 45 days. The results of field and analytical data will be presented in a final report. In the event site conditions warrant consideration for a Type B Site Closure, an application as such will be incorporated into the final report.

If there are any questions or comments regarding the information provided, please do not hesitate to contact me at (616) 791-0730.

Respectfully submitted,

ALDERINK AND ASSOCIATES, INC.



Eugene J. Gutting III
Geological Engineer

cc: Project File 1-2139

cc: Michelle Hohn, MDNR-Environmental Response Division

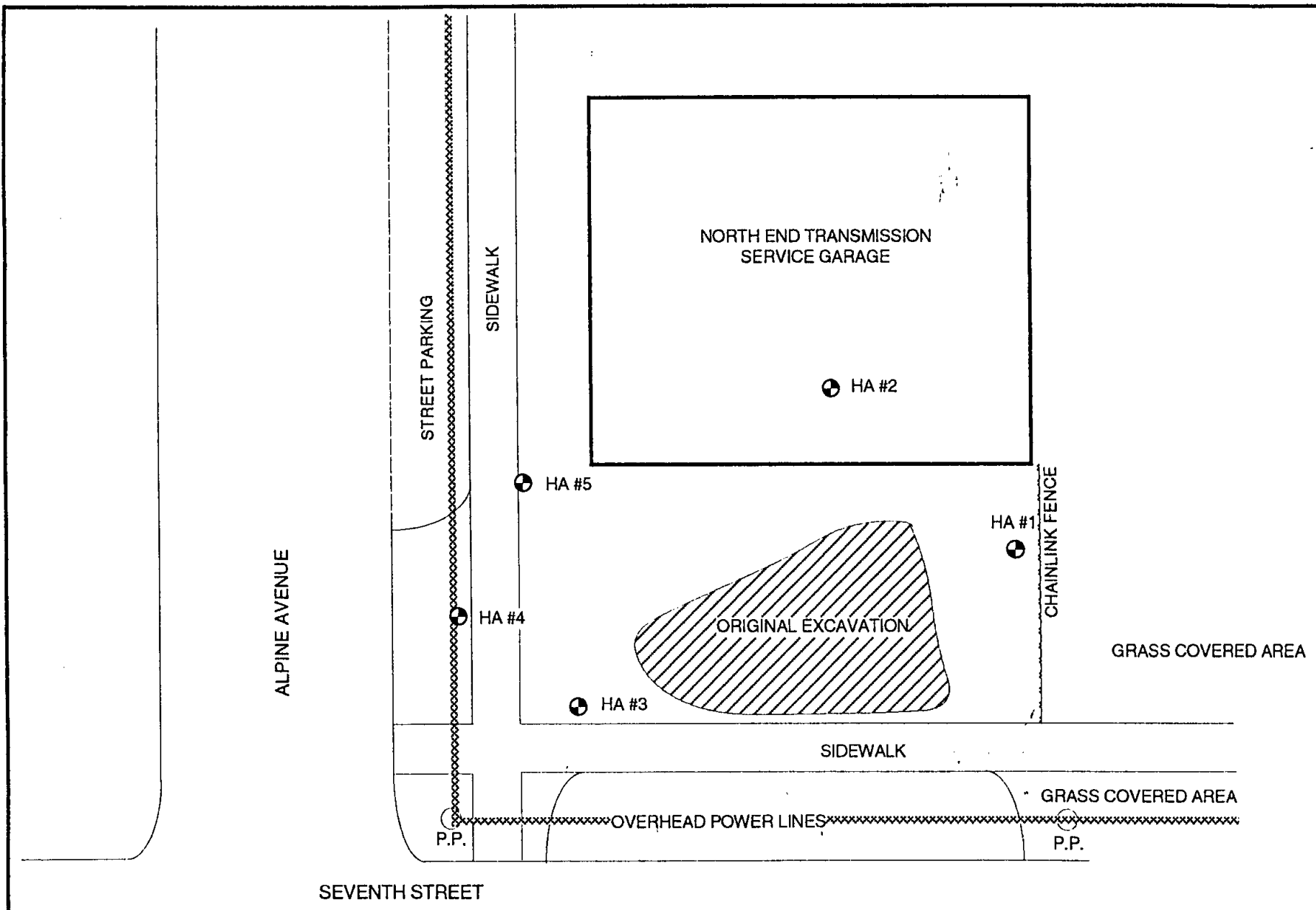


FIGURE 1: SITE PLAN, BORING LOCATIONS

**Alderink and
Associates, Inc.**

NORTH END TRANSMISSION
802 ALPINE AVENUE
GRAND RAPIDS, MICHIGAN

Job # 1-2139

Sheet # 1 of 1

Date AUGUST 12, 1991

Project TYPE-B ASSESSMENT

Drawn by EJG

Scale 1" = 16'

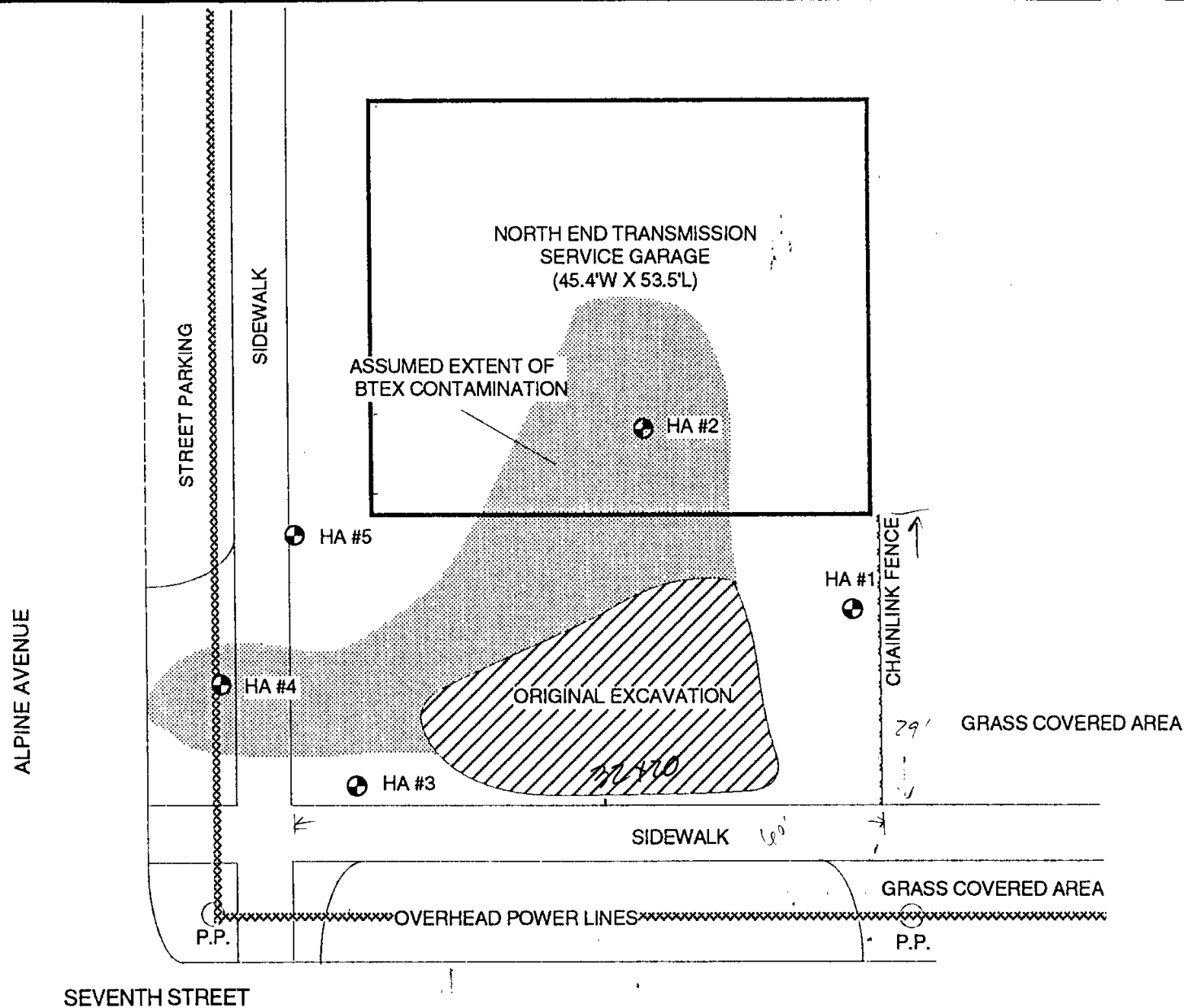


FIGURE 2: APPROXIMATE EXTENT OF CONTAMINATION

Alderink and Associates, Inc.

NORTH END TRANSMISSION
802 ALPINE AVENUE
GRAND RAPIDS, MICHIGAN

Job # 1-2139	Sheet # 1 of 1	Date AUGUST 12, 1991
Project TYPE-B ASSESSMENT		Drawn by EJG
		Scale 1" = 16'

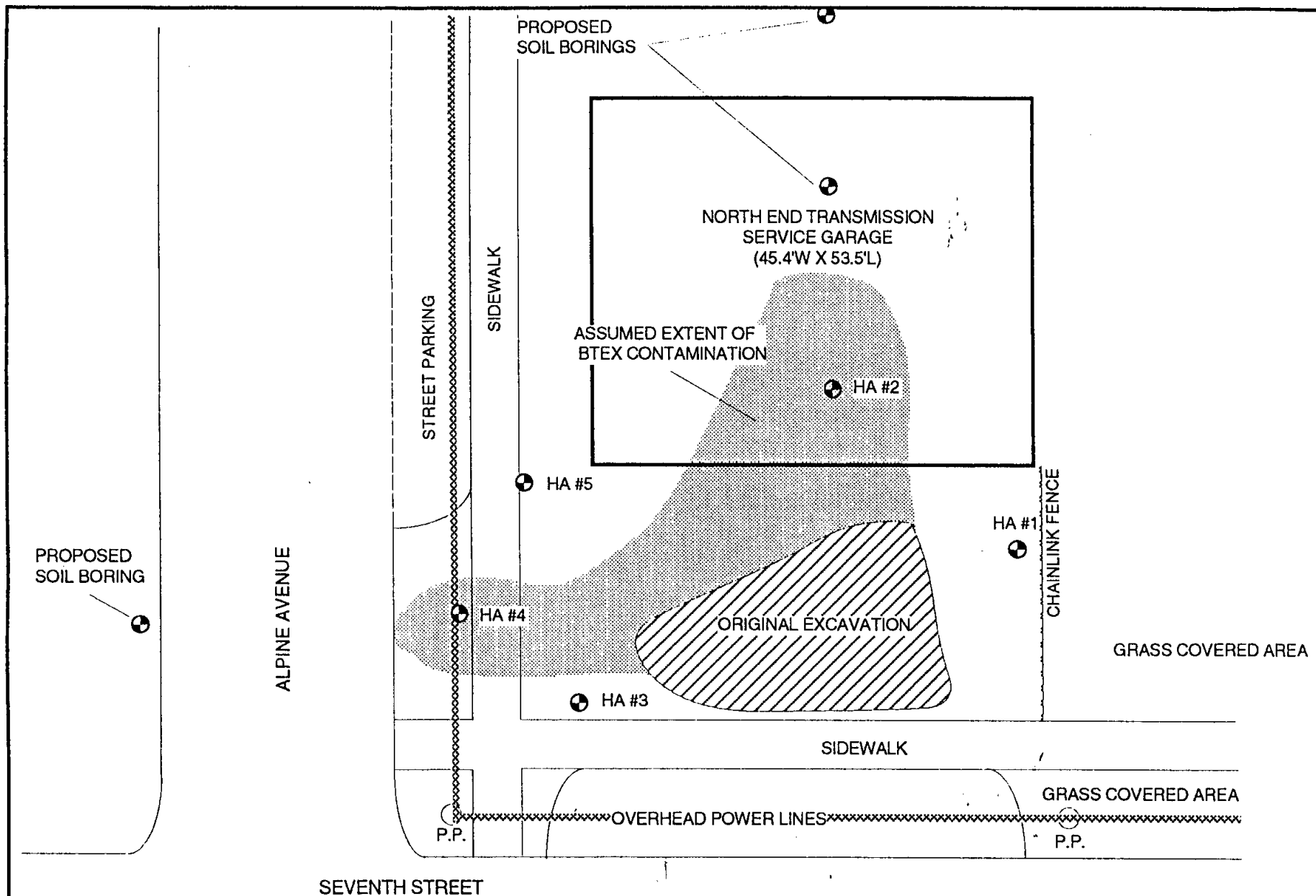


FIGURE 3: PROPOSED SOIL BORING LOCATIONS

**Alderink and
Associates, Inc.**

NORTH END TRANSMISSION
802 ALPINE AVENUE
GRAND RAPIDS, MICHIGAN

Job # 1-2139

Sheet # 1 Of 1

Date AUGUST 12, 1991

Project TYPE-B ASSESSMENT

Drawn by EJG

Scale 1" = 16'

APPENDIX A
RESULTS OF LABORATORY ANALYSIS



PREIN & NEWHOF, P.C.

ENGINEERS — SURVEYORS — ENVIRONMENTAL & SOILS LABORATORIES

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— MICHAEL S. BERGETSON PE
— MICHAEL S. FULLER PE
— PHILIP C. TURNER PE
— JAMES A. COOK PE
— ROBERT J. LANDER MALE PE
— ROBERT J. REINKA PE
— JAMES A. BRINTNALL PLS
— PETER A. MILLIRON PLS
— EDWARD S. WAGNER JR. PE
— BASIL J. ANDRESS JR. PLS
— RICHARD J. REINSOLD PE
— LARRY C. STEHOWER PE

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July 25, 1991
90033L

Mr. Gene Gutting
Alderink & Associates
3221 3 Mile Road NW
Grand Rapids, MI 49504

Re: Project: Northend Transmission
Project # 2139
Chain of Custody # 001798
Samples received 7/11/91

LABORATORY RESULTS

Hand Auger Sample:	# 1A	# 1B	# 2A	# 2B	# 4A	# 4B
Lab Log #	<u>3641</u>	<u>3642</u>	<u>3643</u>	<u>3644</u>	<u>3645</u>	<u>3646</u>
Total Solid, %	85	90	92	82	89	89
Benzene, ug/Kg	ND*	ND	ND	ND	ND	ND
Ethylbenzene, ug/Kg	ND	ND	ND	510	ND	ND
Toluene, ug/Kg	ND	ND	ND	1,392	99	ND
m/p-Xylene, ug/Kg	ND	ND	ND	2,400	92	ND
o-Xylene, ug/Kg	ND	ND	ND	1,400	42	ND

ND* indicates none detected at or above the method detection limit of 10 ug/Kg

PREIN & NEWHOF
Environmental Laboratory

Robert Erickson
Laboratory Director

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PREIN & NEWHOF, P.C.

ENGINEERS — SURVEYORS — ENVIRONMENTAL & SOILS LABORATORIES

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— THOMAS NEWHOF PE
— ALVIN D. McQUEEN PE
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— MICHAEL S. FULLER PE
— PHILIP C. GLUPNER PE
— JAMES A. COOK PE
— ROBERT J. LANDERMALE PE
— ROBERT J. REIMINK PE
— LETHA A. BRINTNALL RLS
— REY A. MURON RLS
— SCOTT R. MAGNER JR. PE
— BASIL J. ANDRESS JR. RLS
— RICHARD J. REIMBOLD PE
— JERRY D. STEHOUWER PE

August 1, 1991
90033L

Mr. Gene Gutting
Alderink & Associates
3221 3 Mile Road NW
Grand Rapids, MI 49504

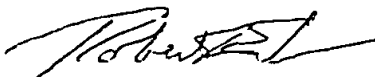
Re: Project: Northend Transmission
Project # 2139
Chain of Custody # 002034
Samples received 7/18/91

LABORATORY RESULTS

Soil Boring Sample: Lab Log #	# 3 A <u>3839</u>	# 3 B <u>3840</u>	# 5 A <u>3841</u>	# 5 B <u>3842</u>
Total Solids, %	91	92	93	91
Benzene, ug/Kg	ND*	ND	ND	ND
Ethylbenzene, ug/Kg	ND	ND	ND	ND
Toluene, ug/Kg	ND	ND	ND	ND
m/p-Xylene, ug/Kg	ND	ND	ND	ND
o-Xylene, ug/Kg	ND	ND	ND	ND

ND* indicates none detected at or above the method detection limit of 10 ug/Kg

PREIN & NEWHOF
Environmental Laboratory


Robert Erickson
Laboratory Director



PREIN & NEWHOF, P.C.

ENGINEERS — SURVEYORS — ENVIRONMENTAL & SOILS LABORATORY

3260 Evergreen Drive, N.E.
Grand Rapids, Michigan 49505
616-364-7600
Telecopier 616-364-6955

CHAIN OF CUSTODY

CLIENT: Alderink & Assoc PROJECT NAME: Northland Transportation PROJECT NO: 2139
SAMPLING PERSONNEL: R. Rector & G. Galt SAMPLING SITE: S. I. Bridge

DATE	TIME	SAMPLE ID/DESCRIPTION	TYPE	COMP	GRAB	NO. OF CONTAINERS	PARAMETERS	REMARKS							
7/10/91		H-1A 6'	Soil	✓		1	BTEX	...							
		" 1B 10.0'		✓		1									
		" 2A 6.5'		✓		1									
		" 2B 11.0'		✓		1									
		" 4A 6.5'		✓		1									
		" 4B 10.5'		✓		1									
								8-83 448							
								83-11 442							
								11 448							
Relinquished by: (Signature)		Date: Time:		Received by: (Signature)		Date: Time:		Relinquished by: (Signature)		Date: Time:		Received by: (Signature)		Date: Time:	
Relinquished by: (Signature)		Date: Time:		Received by: (Signature)		Date: Time:		Method of Shipment:				Bill of Lading:			
NE 001798		Received for Laboratory by: (Signature)		Date: Time:		Data Package Relinquished by Lab:		Date: Time:		Data Received by: (Signature)		Date: Time:			

PREIN & NEWHOF, P.C.

ENGINEERS — SURVEYORS — ENVIRONMENTAL & SOILS LABORATORIES

3000 EAST BELTLINE, N.E.
GRAND RAPIDS, MICHIGAN 49505
TELEPHONE (616) 364-8491
TELECOPIER (616) 364-6955

CHAIN OF CUSTODY

CLIENT: Aldenok & Assoc PROJECT NAME: Nethel Tunnelling PROJECT NO: 2139
SAMPLING PERSONNEL: G. Gutting & R. Rector SAMPLING SITE: South Borings

[illegible]

WHITE copy to be Returned with Data Package

YELLOW copy to Laboratory

PINK copy to Field File / Project Documentation

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ENGINEERS — SURVEYORS — ENVIRONMENTAL & SOILS LABORATORIES

3000 EAST BELLINE, N.E.
GRAND RAPIDS, MICHIGAN 49505
TELEPHONE (616) 364-8491
TELECOPIER (616) 364-6955

CHAIN OF CUSTODY

CLIENT: Alderink & Assoc. PROJECT NAME: Northland Transmission PROJECT NO: 2139
SAMPLING PERSONNEL: R. Rector & G. Getting SAMPLING SITE: Soil Borings

DATE	TIME	SAMPLE ID/DESCRIPTION	TYPE	COMPR	GRAB	NO. OF CONTAINERS	PARAMETERS	REMARKS				
7/10/91		Hand Auger #1 A	Soil		✓	1	BTEX	Standard T.A.				
		" " #1 B			✓	1	" "					
		" " #2 A			✓	1	" "					
		" " #2 B			✓	1	" "					
							" "					
		" " #4 A			✓	1	" "					
		" " #4 B			✓	1	" "					
Relinquished by: (Signature)		Date: Time:	Received by: (Signature)		Date: Time:		Relinquished by: (Signature)		Date: Time:	Received by: (Signature)		Date: Time:
Relinquished by: (Signature)		Date: Time:	Received by: (Signature)		Date: Time:		Method of Shipment:		Bill of Lading:			
N2 001798		Received for Laboratory by: (Signature)		Date: Time:	Data Package Relinquished by Lab:		Date: Time:	Data Received by: (Signature)		Date: Time:		

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3000 EAST BELTLINE, N.E.
GRAND RAPIDS, MICHIGAN 49505
TELEPHONE (616) 364-8491
TELECOPIER (616) 364-6955

CHAIN OF CUSTODY

CLIENT: Alderink & Assoc. PROJECT NAME: Northeast Transmission PROJECT NO: 2139

SAMPLING PERSONNEL: G. Gutting & R. Rector SAMPLING SITE: Soil Borings

[illegible]

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**Alderink and
Associates, Inc.**

*Occupational Health and Safety,
Energy Management and Environmental Consultants*

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GRAND RAPIDS

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RESULTS OF SUBSURFACE INVESTIGATIONS

NORTH END TRANSMISSION
GRAND RAPIDS, MICHIGAN

December 20, 1991

Project No. 1-2139

Prepared for:

Mr. David Sherd
North End Transmission
802 Alpine Avenue N.W.
Grand Rapids, Michigan 49504

DEC 23 1991

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5.00	TYPE B CRITERIA	2
5.10	DIRECT HUMAN CONTACT	3
5.20	PROTECTION OF AQUIFERS	3
6.00	CONCLUSION	3

Figures

Figure 1	Soil Boring Locations, November 1991
Figure 2	Summary of Sample Results
Figure 3	Remaining BTEX Contaminant Levels

Tables

Table I	Type B Criteria
Table II	Summary of Sample Results

Appendices

Appendix A	Results of Laboratory Analysis, November 1991
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1.0 INTRODUCTION

As authorized by Mr. David Sherd, Alderink and Associates, Inc. (AAI) has completed additional subsurface investigation activities at North End Transmission located at 802 Alpine Avenue in Grand Rapids, Michigan. The work was conducted in accordance with a work plan prepared by AAI and approved by the Michigan Department of Natural Resources, Environmental Response Division on October 24, 1991.

2.0 PURPOSE

The study was conducted in order to satisfy the criteria set forth in Act 307 (1982 as amended) for Type B closure of the subject site. The Act 307 Type B criteria for soils can only be satisfied when concentrations of the hazardous substances in the soil do not exceed certain criteria established for exposure routes/ migration pathways pertinent to the site. The Type B criteria have been developed using standard exposure assumptions and currently available toxicologic data. The contaminant levels identified on the site have been compared to Type B criteria presented in the MDNR's interoffice communication entitled New Type B Criteria for Toluene, Ethylbenzene and Xylene, August 2, 1991.

3.0 SUBSURFACE INVESTIGATION METHODOLOGY

On November 8 and 12, 1991, a total of five (5) additional soil borings were completed and soil samples collected. Two (2) hand augered soil borings were placed inside of the building and one (1) hand augered soil boring was conducted along the eastern side of Alpine Avenue. The remaining two (2) borings were completed utilizing a drilling rig and hollow stem augering techniques. The sample locations have been identified Figure 1.

The borings were advanced to a depth of approximately 12 feet below grade or until an underlying weathered shale layer was encountered. No groundwater was encountered in the borings. Two (2) soil samples were collected from each boring at depths of approximately 5 to 6 and 11 to 12 feet below grade. The soil samples were preserved in an insulated cooler, maintained at 40 degrees Fahrenheit, for transport to Prein and Newhof Laboratories of Grand Rapids, Michigan. The samples were analyzed for the presence or absence of purgeable aromatic hydrocarbons (Benzene, Toluene, Ethylbenzene, and Xylenes-BTEX).



The auger flite cuttings, and each of the collected soil samples, were field screened for the presence of Volatile Organic Compounds (VOC's) using an Organic Vapor Monitor (OVM), Model 580B. Field screening did not yield any observable OVM readings within the sensitivity range of the OVM Meter (0.1 ppm to 2,000 ppm).

4.00 RESULTS OF LABORATORY ANALYSIS

The results of the laboratory analyses indicated the presence of 22 parts per billion (ppb) and 19 ppb of Total BTEX in the soil samples collected at a depth of approximately 6 feet below grade in borings HA#6 and HA#7, respectively (see Figure 2).

Total BTEX levels of 10 ppb, 10 ppb and 25 ppb were identified in the soil samples collected at depths ranging between 11 and 12 feet below grade in borings HA#7, HA#8 and HA#9, respectively (see Table II for laboratory results).

As shown on Figure 3, the BTEX contaminant levels identified over the study area, in it's entirety, indicate significant decreases in BTEX levels farther away from the source area. The outer perimeter of the study area have verified either traces of residual BTEX levels or non-detectable BTEX levels. The majority of residual BTEX levels is comprised of toluene and xylenes. Benzene has not been detected in any of the soil samples collected by AAI to date.

5.0 TYPE B CRITERIA

Based upon the results of the site investigation and subsequent analytical data, the residual BTEX levels present at the site remain below the maximum acceptable levels for Type B closure. The soils that contain residual ethylbenzene, toluene and xylenes are limited to a depth of 12 feet below grade due to the presence of weathered shale bed underlying the study area. Groundwater has not been encountered at the site is therefore not a prevalent exposure/migration pathway.

As shown on Figure 2, the residual BTEX levels along the west perimeter of the site (SB#4, HA#6) diminish to non-detectable levels at some point between 6 and 12 feet below grade. The BTEX levels remaining under the existing building (SB#2, HA#8, HA#9) have not impacted the soil from the ground surface to a depth of at least 6 feet. A northward movement of the contaminants has evidently occurred along the soil/shale interface at approximately 12 feet below grade.

5.10 DIRECT HUMAN CONTACT

Approximately 441 cubic yard of soil remain contaminated with residual BTEX levels. This quantity of soil has been based on calculations assuming that the vertical depth of contamination along the western extent of the plume extends from ground surface to 9 feet below grade and from 9 to 12 feet below grade along the remainder of the plume. Of the 441 cubic yards of contaminated soil, approximately 341 cubic yards of soil remain under the foundation of the building. The remaining soil is located under the asphalt and concrete parking lot around the perimeter of the site. Therefore, the potential for direct human contact with these soils will be minimal.

Nonetheless, the remaining BTEX levels within the soils have been compared to the levels of ethylbenzene, toluene, and xylenes for Type B criteria for the direct human contact route of exposure. As shown in Table I, the levels for ethylbenzene, toluene, and xylenes are well below their respective Type B criteria. No further remediation is necessary to achieve compliance with the Type B criteria for direct human contact (dermal contact and incidental ingestion).

5.20 PROTECTION OF AQUIFERS

Although groundwater has not been encountered at the site, the remaining BTEX levels have been compared to twenty times the Type B criteria for groundwater. As indicated on Table I, the levels of ethylbenzene, toluene, and xylenes are well below their respective Type B criteria. No further remediation is necessary to ensure the protection of groundwater in the event leaching of the soils occur in the future.

6.0 CONCLUSIONS

Based upon the current MDNR guidelines regarding the use of Type B criteria for acceptable cleanup levels at UST closure sites, the levels of ethylbenzene, toluene, and xylenes at North End Transmission are well below all relevant Type B criteria. Comparisons have indicated that these residual levels remaining within the soil at the site are several orders of magnitude below the Type B criteria for direct human contact and protection of aquifers. Considering the existing site conditions and the ability to oxidize/volatilize the BTEX constituents, biodegradation of the residual contaminants will very probably occur within the next few years.

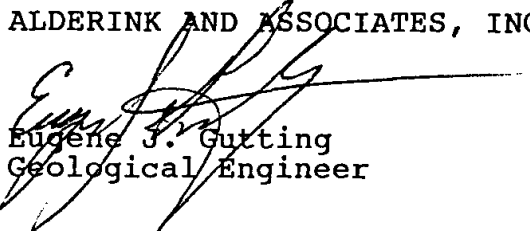
NORTH END TRANSMISSION
Results of Subsurface Investigations Page 4

Based on this premise, Alderink and Associates, Inc. concludes that no further remediation or site investigations are necessary for closure of the site under Act 307 (1982 as amended).

If there are any questions regarding the contents of this report, please feel free to contact our office at (616) 791-0730.

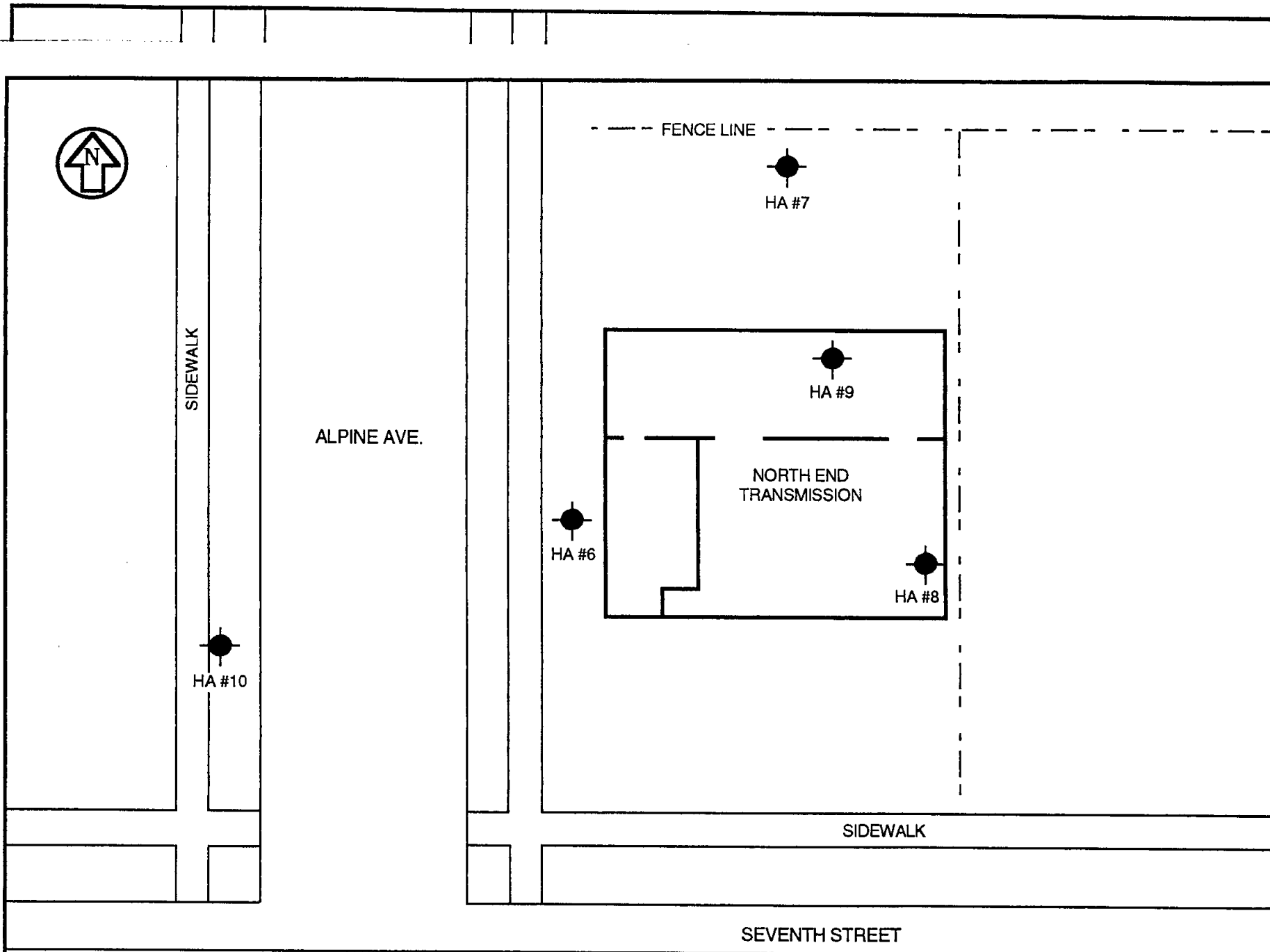
Respectfully submitted,

ALDERINK AND ASSOCIATES, INC.



Eugene J. Gutting
Geological Engineer

EJG:lg



**FIGURE 1: SOIL BORING LOCATIONS (●),
NOVEMBER 8 AND 12, 1991**

**Alderink and
Associates, Inc.**

**NORTH END TRANSMISSION
802 ALPINE AVE. N.W.
GRAND RAPIDS, MICHIGAN**

Job # 1-2139

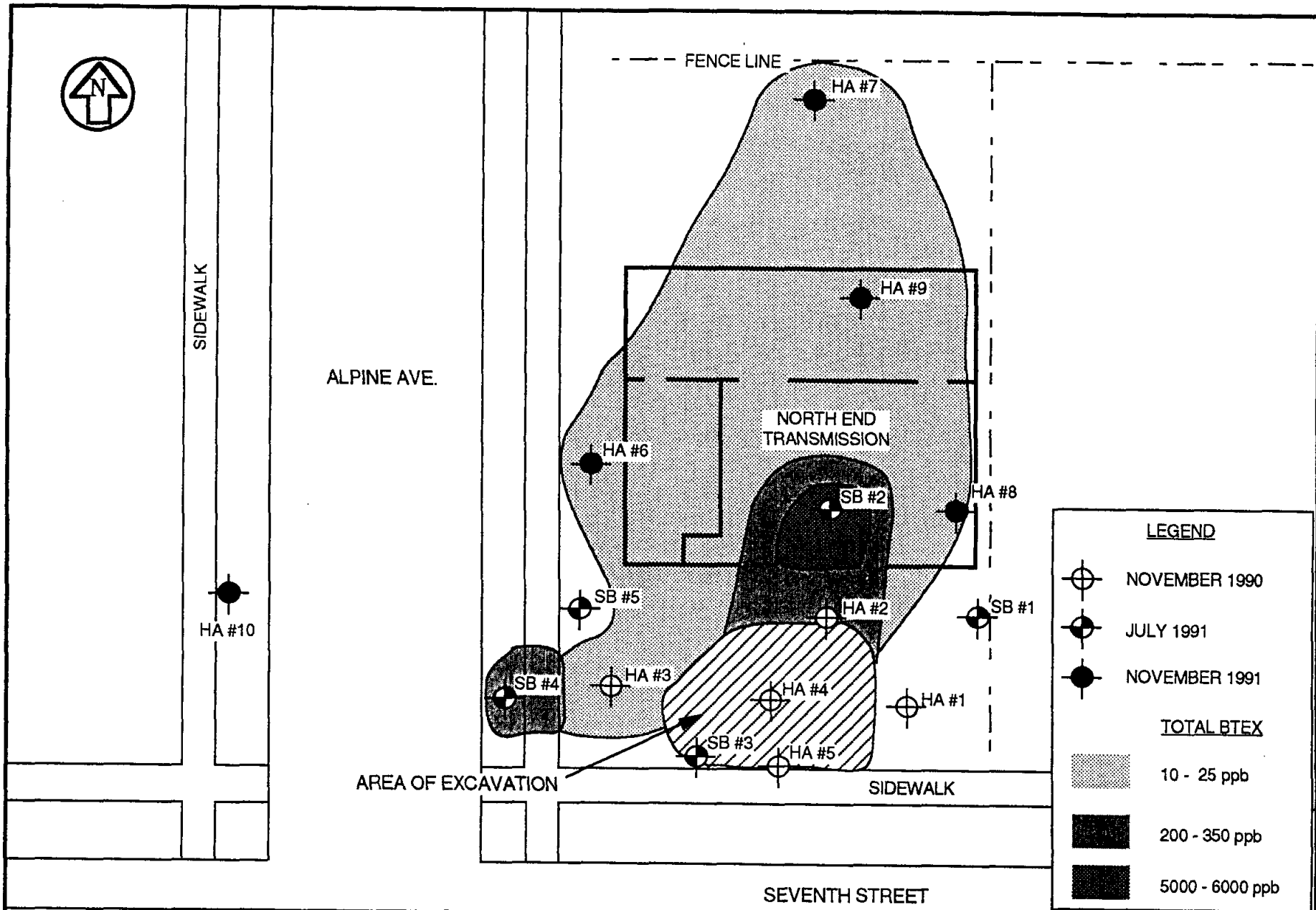
Sheet # 1 of 1

Date 12/16/91

Project SUBSURFACE INVESTIGATION

Drawn by R.A.R.

Scale 1" = 20'



**NORTH END TRANSMISSION
802 ALPINE AVE. N.W.
GRAND RAPIDS, MICHIGAN**

**Alderink and
Associates, Inc.**

Job # 1-2139

Sheet # 1 of 1

Date 12/16/91

Project SUBSURFACE INVESTIGATION

Drawn by R.A.R.

Scale 1" = 20'

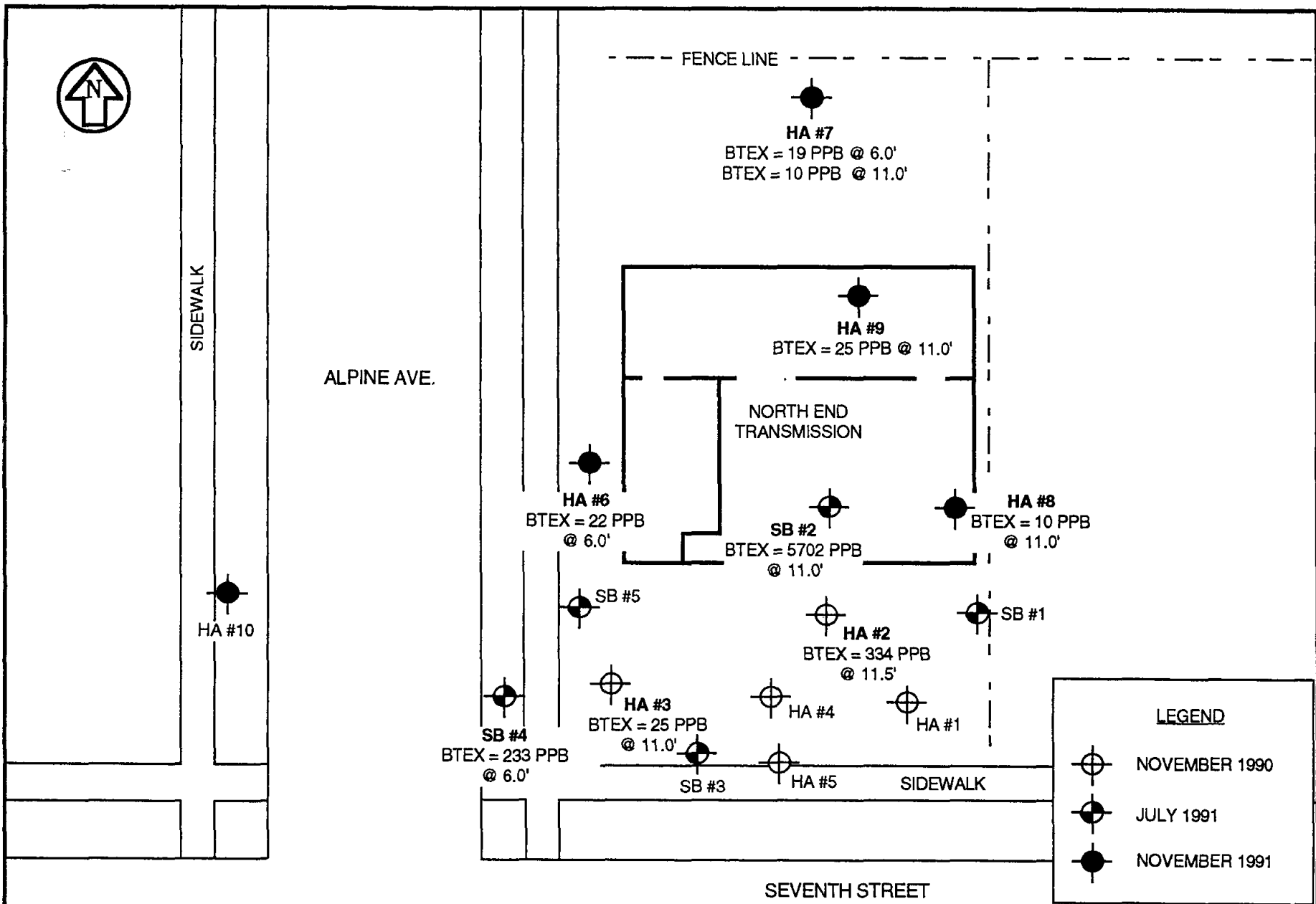


FIGURE 2: SUMMARY OF SAMPLE RESULTS

Alderink and Associates, Inc.

**NORTH END TRANSMISSION
802 ALPINE AVE. N.W.
GRAND RAPIDS, MICHIGAN**

Job # 1-2139

Sheet # 1 of 1

Date 12/16/91

Project SUBSURFACE INVESTIGATION

Drawn by R.A.R.

Scale 1" = 20'

TABLE I: TYPE B CRITERIA

Current MDNR Type B Closure criteria for soils contaminated by leaking underground storage tanks (UST's)

	<u>20 x GW *</u>	<u>DC **</u>
Ethylbenzene	20,000 ppb	2E+7
Toluene	1,000 ppb	8E+7
Xylenes	6,000 ppb	2E+7

* Twenty times the Type B criteria for groundwater

** Direct human Contact (dermal contact, incidental ingestion)

TABLE II: SUMMARY OF SAMPLE RESULTS

NOVEMBER 1990 - (Soil samples collected November, 1990)

<u>Sample No.</u>	<u>Depth</u>	<u>Benzene</u>	<u>Ethylbenzene</u>	<u>Toluene</u>	<u>Xylene</u>	<u>Total</u>
SB-1	12.0'	*ND	ND	ND	ND	---
SB-2	11.5'	ND	100	29	205	334
SB-3	11.0'	ND	ND	ND	25	25
SB-4	12.0'	ND	ND	ND	ND	---
SB-5	12.0'	ND	ND	ND	ND	---

*(ND=None Detected at or above 10 ppb)

JULY 1991 - (Soil samples collected July, 1991)

<u>Sample No.</u>	<u>Depth</u>	<u>Benzene</u>	<u>Ethylbenzene</u>	<u>Toluene</u>	<u>Xylene</u>	<u>Total</u>
#1A	6.0'	ND	ND	ND	ND	---
#18	11.5'	ND	ND	ND	ND	---
#2A	6.0'	ND	ND	ND	ND	---
#2B	11.0'	ND	510	1392	3800	5702
#3A	6.0'	ND	ND	ND	ND	---
#3B	11.5'	ND	ND	ND	ND	---
#4A	6.0'	ND	ND	99	134	233
#4B	11.5'	ND	ND	ND	ND	---
#5A	6.0'	ND	ND	ND	ND	---
#5B	11.5'	ND	ND	ND	ND	---

Table II Continued....

NOVEMBER 1991 - (Soil samples collected November, 1991)

<u>Sample No.</u>	<u>Depth</u>	<u>Benzene</u>	<u>Ethylbenzene</u>	<u>Toluene</u>	<u>Xylene</u>	<u>Total</u>
HA 6A	6.0'	ND	10	12	ND	22
HA 6B	11.0'	ND	ND	ND	ND	---
HA 7A	6.0'	ND	ND	ND	19	19
HA 7B	11.5'	ND	ND	ND	10	10
HA 8A	6.0'	ND	ND	ND	ND	---
HA 8B	11.5'	ND	ND	ND	10	10
HA 9A	6.0'	ND	ND	ND	ND	---
HA 9B	11.0'	ND	ND	ND	25	25
HA 10A	6.0'	ND	ND	ND	ND	---
HA 10B	11.0'	ND	ND	ND	ND	---

APPENDIX A

Results of Laboratory Analysis
November 1991

RECEIVED DEC 3 1991



PREIN & NEWHOF, P.C.

ENGINEERS — SURVEYORS — ENVIRONMENTAL & SOILS LABORATORIES

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JAMES A. COOK, PE.
ROBERT J. VANDER MALE, PE.
ROBERT J. REIMINK, PE.
ARTHUR W. BRINTNALL, R.L.S.
REX A. MILLIRON, R.L.S.
SIDNEY P. WAGNER JR., PE.
BASIL J. ANDRESS JR., R.L.S.
RICHARD J. REIMBOLD, PE.
LARRY D. STEHOUWER, PE.

November 29, 1991
90033L

Mr. Gene Gutting
Alderink & Associates
3221 3 Mile Road NW
Grand Rapids, MI 49504

Re: Project: North End
Project # 2139
Chain of Custody # 001802
Samples received 11/13/91

LABORATORY RESULTS

Sample:	HA-6A	HA-6B	HA-7A	HA-7B	HA-8A
Lab Log #:	6726	6727	6728	6729	6730
Total Solids, %	88	92	83	89	96

BTEX, reported as ug/Kg

Benzene	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND
Toluene	12	ND	ND	ND	ND
m/p-Xylene	10	ND	ND	10	ND
o-Xylene	ND	ND	19	ND	ND

Sample:	HA-8B	HA-9A	HA-9B	HA-10A	HA-10B
Lab Log #:	6731	6732	6733	6734	6735
Total Solids, %	85	86	87	93	91

BTEX, reported as ug/Kg

Benzene	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND
m/p-Xylene	ND	ND	25	ND	ND
o-Xylene	10	ND	ND	ND	ND

ND* indicates none detected at or above the method detection limit of 10 ug/Kg.

PREIN & NEWHOF

Robert Erickson
Laboratory Director

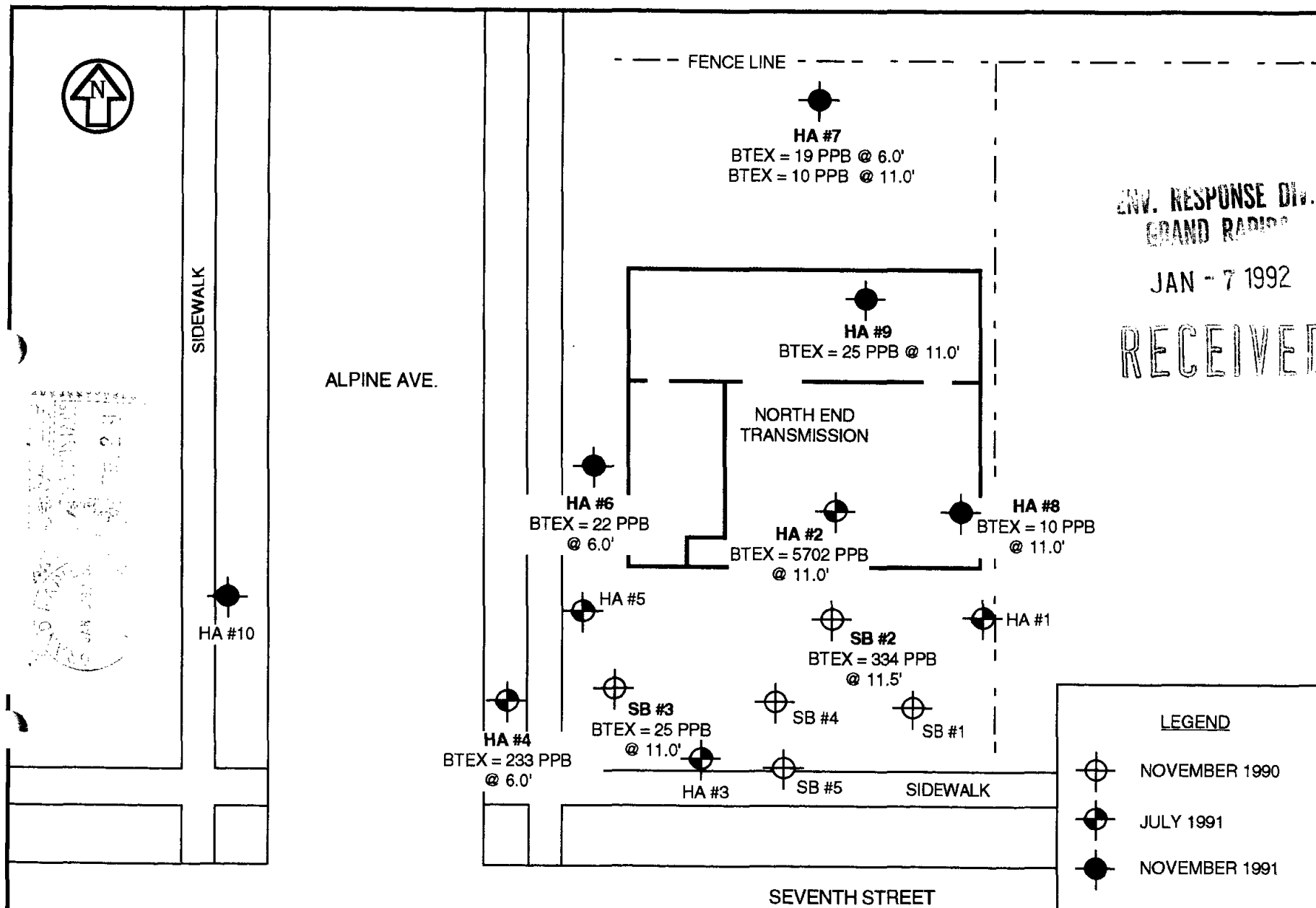


FIGURE 2: SUMMARY OF SAMPLE RESULTS

**Alderink and
Associates, Inc.**

**NORTH END TRANSMISSION
802 ALPINE AVE. N.W.
GRAND RAPIDS, MICHIGAN**

Job # 1-2139

Sheet # 1 of 1

Date 12/16/91

Project SUBSURFACE INVESTIGATION

Drawn by R.A.R.

Scale 1" = 20'

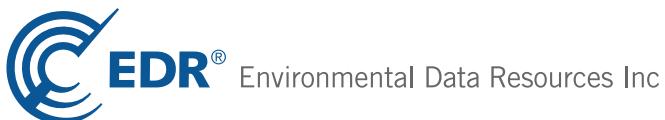
Appendix D

ENVIRONMENTAL DATABASE SEARCH

802 Alpine Avenue NW
802 Alpine Avenue NW
Grand Rapids, MI 49504

Inquiry Number: 04170139.2r
December 30, 2014

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

802 ALPINE AVENUE NW
KENT County, MI 49504

COORDINATES

Latitude (North): 42.9782000 - 42° 58' 41.52"
Longitude (West): 85.6877000 - 85° 41' 15.72"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 607004.9
UTM Y (Meters): 4759014.5
Elevation: 615 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42085-H6 GRAND RAPIDS WEST, MI
Most Recent Revision: 1996

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120625, 20120705
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
NORTH END TRANSMISSION SERVICE 802 ALPINE NE GRAND RAPIDS, MI 49504	LUST Facility Status: Closed UST WDS	N/A
NORTH END TRANSMISSION SERVICE 802 ALPINE NE GRAND RAPIDS, MI	RGA LUST	N/A
NORTH END TRANSMISSION 802 ALPINE GRAND RAPIDS, MI	RGA LUST	N/A
802 ALPINE AVE NW 802 ALPINE AVE NW GRAND RAPIDS, MI 49504	EDR US Hist Auto Stat	N/A

EXECUTIVE SUMMARY

NORTH END TRANSMISSION INC
802 ALPINE AVE NW
GRAND RAPIDS, MI 49504

RCRA NonGen / NLR
FINDS

MID017095530

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls
LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Facilities Database

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST..... Aboveground Tanks

INDIAN UST..... Underground Storage Tanks on Indian Land

FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields and UST Site Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

SWRCY..... Recycling Facilities

HIST LF..... Inactive Solid Waste Facilities

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

CDL..... Clandestine Drug Lab Listing

US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

LIENS..... Lien List

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... Pollution Emergency Alerting System

Other Ascertainable Records

DOT OPS..... Incident and Accident Data

EXECUTIVE SUMMARY

DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
US MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
UIC.....	Underground Injection Wells Database
DRYCLEANERS.....	Drycleaning Establishments
NPDES.....	List of Active NPDES Permits
AIRS.....	Permit and Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
Financial Assurance.....	Financial Assurance Information Listing
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH.....	Coal Ash Disposal Sites
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
COAL ASH DOE.....	Steam-Electric Plant Operation Data
2020 COR ACTION.....	2020 Corrective Action Program List
PRP.....	Potentially Responsible Parties
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR US Hist Cleaners.....	EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA PART 201.....	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF.....	Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SPUR GAS STATION	420 STOCKING ST	SSE 1/4 - 1/2 (0.486 mi.)	N63	110

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 06/10/2014 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MIKE WAWEE & SONS AUTO SALES I	856 7TH ST NW	W 0 - 1/8 (0.076 mi.)	B7	12

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

A review of the LUST list, as provided by EDR, and dated 08/01/2014 has revealed that there are 9

EXECUTIVE SUMMARY

LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WALDMILLER ALL-SERVICE Facility Status: Closed	856 7TH ST NW	W 0 - 1/8 (0.076 mi.)	B8	13
EL MATADOR TORTILLA CHIPS (FOR Facility Status: Closed	669 STOCKING AVE NW	S 1/8 - 1/4 (0.168 mi.)	C12	25
CITY OF GRAND RAPIDS ROW Facility Status: Closed	800 LEONARD ST NW	N 1/4 - 1/2 (0.473 mi.)	O58	103
JACK'S SERVICE CENTER Facility Status: Open Facility Status: Closed	850 LEONARD ST NW	NNW 1/4 - 1/2 (0.484 mi.)	P59	106
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JOHN WIDDICOMB CO Facility Status: Closed	601 5TH ST NW	ESE 1/8 - 1/4 (0.240 mi.)	E21	29
J & L ROOFING CO Facility Status: Closed	567 11TH ST NW	NE 1/4 - 1/2 (0.346 mi.)	37	41
FOUR STAR SERVICE STATION #8 Facility Status: Closed	513 STOCKING NW	SSE 1/4 - 1/2 (0.417 mi.)	J45	45
AMERICAN SEATING CO Facility Status: Closed	901 BROADWAY AVE NW	ENE 1/4 - 1/2 (0.424 mi.)	L46	47
GSG LLC Facility Status: Closed	438 STOCKING AVE NW	SSE 1/4 - 1/2 (0.500 mi.)	N66	130

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

A review of the UST list, as provided by EDR, and dated 08/01/2014 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WALDMILLER ALL-SERVICE	856 7TH ST NW	W 0 - 1/8 (0.076 mi.)	B8	13
EL MATADOR TORTILLA CHIPS (FOR	669 STOCKING AVE NW	S 1/8 - 1/4 (0.168 mi.)	C12	25
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GET IT GO	5664 ALPINE NW	S 1/8 - 1/4 (0.139 mi.)	C10	23
JOHN WIDDICOMB CO	601 5TH ST NW	ESE 1/8 - 1/4 (0.240 mi.)	E21	29

EXECUTIVE SUMMARY

State and tribal institutional control / engineering control registries

AUL: A listing of sites with institutional and/or engineering controls in place.

A review of the AUL list, as provided by EDR, and dated 09/03/2014 has revealed that there is 1 AUL site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMOCO STATION	1152 ELIZABETH AVENUE N	NNE 1/4 - 1/2 (0.469 mi.)	54	101

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 09/22/2014 has revealed that there are 5 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STOCKING ELEMENTARY SCHOOL	863 SEVENTH ST. NW	W 0 - 1/8 (0.084 mi.)	B9	16
FORMER MILLER PRODUCTS PROPERTY	601 AND 614 FIRST ST.,	SE 1/4 - 1/2 (0.443 mi.)	M48	54
MERCANTILE BANK PROPERTIES	420 AND 430 STOCKING AV	SSE 1/4 - 1/2 (0.468 mi.)	N53	88
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMERICAN SEATING COMPANY HQ	901 BROADWAY AVENUE NW	ENE 1/4 - 1/2 (0.424 mi.)	L47	52
RALPH'S MARKET	655-667 LEONARD STREET	NNE 1/4 - 1/2 (0.489 mi.)	Q64	110

Local Lists of Hazardous waste / Contaminated Sites

INVENTORY: The Inventory of Facilities has three data sources: Facilities under Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA) identified through state funded or private party response activities (Projects); Facilities under Part 213, Leaking Underground Storage Tanks of the NREPA; and Facilities identified through submittals of Baseline Environmental Assessments (BEA) submitted pursuant to Part 201 or Part 213 of the NREPA. The Part 201 Projects Inventory does not include all of the facilities that are subject to regulation under Part 201 because owners are not required to inform the Department of Environmental Quality (DEQ) about the facilities and can pursue cleanup independently. Facilities that are not known to DEQ are not on the Inventory, nor are locations with releases that resulted in low environmental impact. Part 213 facilities listed here may have more than one release; a list of releases for which corrective actions have been completed and list of releases for which corrective action has not been completed is located on the Leaking Underground Storage Tanks Site Search webpage. The DEQ may or may not have reviewed and concurred with the conclusion that the corrective actions described in a closure report meets criteria. A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

A review of the INVENTORY list, as provided by EDR, and dated 10/27/2014 has revealed that there are

EXECUTIVE SUMMARY

23 INVENTORY sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
555 7TH STREET NW	555 7TH STREET NW AKA 8	SW 0 - 1/8 (0.005 mi.)	A6	12
618 DEWEY AVENUE NW	618 DEWEY AVENUE NW	SE 1/4 - 1/2 (0.387 mi.)	I38	42
607 DEWEY AVENUE NW	607 DEWEY AVENUE NW	SE 1/4 - 1/2 (0.391 mi.)	I40	43
1147 ALPINE AVENUE NW	1147 ALPINE AVENUE NW	N 1/4 - 1/2 (0.405 mi.)	K44	45
601, 614 1ST ST/520 2ND ST/501	601 & 614 1ST ST, 520 2	SSE 1/4 - 1/2 (0.472 mi.)	M56	103
500 & 502 2ND STREET NW	500 & 502 2ND STREET NW	SE 1/4 - 1/2 (0.472 mi.)	M57	103
JACK'S SERVICE CENTER	850 LEONARD ST NW	NNW 1/4 - 1/2 (0.484 mi.)	P59	106
1ST STREET N.W., 601	601 1ST STREET NW	SSE 1/4 - 1/2 (0.485 mi.)	60	109
900 LEONARD STREET NW	900 LEONARD STREET NW	NNW 1/4 - 1/2 (0.497 mi.)	P65	130
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
600 7TH STREET NW	600 7TH STREET NW	E 1/8 - 1/4 (0.174 mi.)	D13	26
600 SEVENTH STREET NW	600 SEVENTH STREET NW	E 1/8 - 1/4 (0.174 mi.)	D14	27
601 & 611 5TH ST/609 6TH ST/71	601 & 611 5TH STREET NW	ESE 1/8 - 1/4 (0.226 mi.)	E16	28
601&611 FIFTH, 609 SIXTH, 710	601 & 611 FIFTH ST NW,	ESE 1/8 - 1/4 (0.226 mi.)	E17	28
JOHN WIDDICOMB PROPERTY	600 BLOCK OF FIFTH STRE	ESE 1/8 - 1/4 (0.226 mi.)	E18	29
601 5TH STREET NW	601 5TH STREET NW	ESE 1/8 - 1/4 (0.226 mi.)	E19	29
JOHN WIDDICOMB CO	601 5TH ST NW	ESE 1/8 - 1/4 (0.240 mi.)	E21	29
600 FIFTH STREET N. W.	600 FIFTH STREET N. W.	SE 1/4 - 1/2 (0.276 mi.)	G28	37
516 SEVENTH STREET NW	516 SEVENTH STREET NW	E 1/4 - 1/2 (0.295 mi.)	F32	39
560 FIFTH STREET NW	560 FIFTH STREET NW	ESE 1/4 - 1/2 (0.296 mi.)	G33	39
522 STOCKING AVENUE NW	522 STOCKING AVENUE NW	SSE 1/4 - 1/2 (0.398 mi.)	J41	43
AMERICAN SEATING CO	901 BROADWAY AVE NW	ENE 1/4 - 1/2 (0.424 mi.)	L46	47
EQUILON ENTERPRISES LLC	747 LEONARD ST NW	N 1/4 - 1/2 (0.472 mi.)	O55	102
667 LEONARD STREET NW	667 LEONARD STREET NW	NNE 1/4 - 1/2 (0.485 mi.)	Q61	109

PART 201: A Part 201 Listed site is a location that has been evaluated and scored by the DEQ using the Part 201 scoring model. The location is or includes a "facility" as defined by Part 201, where there has been a release of a hazardous substance(s) in excess of the Part 201 residential criteria, and/or where corrective actions have not been completed under Part 201 to meet the applicable cleanup criteria for unrestricted residential use. The Part 201 List does not include all of the sites of contamination that are subject to regulation under Part 201 because owners are not required to inform the DEQ about the sites and can pursue cleanup independently. Sites of environmental contamination that are not known to DEQ are not on the list, nor are sites with releases that resulted in low environmental impact.

A review of the PART 201 list, as provided by EDR, and dated 10/01/2013 has revealed that there are 6 PART 201 sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AUTOBOND (FORMER)	706 BOND AVE. NW	ESE 1/2 - 1 (0.841 mi.)	71	135
RELIABLE EQUIPMENT	633 RICHMOND ST NW	NNE 1/2 - 1 (0.982 mi.)	72	137
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JOHN WIDDICOMB CO	601 5TH ST NW	ESE 1/8 - 1/4 (0.240 mi.)	E21	29
AMERICAN SEATING CO	901 BROADWAY AVE NW	ENE 1/4 - 1/2 (0.424 mi.)	L46	47
NO AM CORP	329 SUMMER AVE NW	SSE 1/2 - 1 (0.701 mi.)	67	132
WOLVERINE BRASS WORKS	648 MONROE AVE NW	ESE 1/2 - 1 (0.814 mi.)	69	134

EXECUTIVE SUMMARY

DEL PART 201: A deleted site has been removed from the Part 201 List because information known to the DEQ at the time of the evaluation does not support inclusion on the Part 201 List. This designation is often applied to sites where changes in cleanup criteria resulted in a determination that the site no longer exceeds any applicable cleanup criterion. A delisted site has been removed from the Part 201 List because response actions have reduced the levels of contaminants to concentrations which meet or are below the criteria for unrestricted residential use.

A review of the DEL PART 201 list, as provided by EDR, and dated 08/01/2013 has revealed that there are 6 DEL PART 201 sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JOHN WIDDICOMB CO	601 5TH ST NW	ESE 1/8 - 1/4 (0.240 mi.)	E21	29
5TH STREET NW, 600	600 5TH STREET NW	ESE 1/4 - 1/2 (0.266 mi.)	G27	37
4TH STREET NW, 615	615 4TH STREET NW	SE 1/4 - 1/2 (0.292 mi.)	H29	38
JEUP INC	560 5TH ST NW	ESE 1/4 - 1/2 (0.296 mi.)	G34	40
900-1010 MONROE AVENUE NW	900-1010 MONROE AVENUE	E 1/2 - 1 (0.762 mi.)	68	133
WHITTAKER ELECTRIC	1320 FRONT	NE 1/2 - 1 (0.831 mi.)	70	135

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/10/2014 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MI DEPT/STATE POLICE	648 6TH ST NW	ESE 1/8 - 1/4 (0.165 mi.)	11	24
WIDDICOMB JOHN CO	601 5TH ST NW	ESE 1/8 - 1/4 (0.240 mi.)	E22	32

BEA: A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

A review of the BEA list, as provided by EDR, and dated 08/21/2013 has revealed that there are 19 BEA sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
607 DEWEY AVENUE NW	607 DEWEY AVENUE NW	SE 1/4 - 1/2 (0.391 mi.)	I39	43
1147 ALPINE AVENUE NW	1147 ALPINE AVENUE NW	N 1/4 - 1/2 (0.405 mi.)	K43	44
614 FIRST STREET PARTNERS LLC	601 1ST ST NW	SE 1/4 - 1/2 (0.443 mi.)	M49	78
601, 614 1ST ST/520 2ND ST/501	601 & 614 1ST ST, 520 2	SE 1/4 - 1/2 (0.443 mi.)	M50	86
601 & 614 1ST ST/501 ALABAMA/5	601 & 614 1ST STREET &	SE 1/4 - 1/2 (0.443 mi.)	M51	87
601 FIRST STREET NW	601 FIRST STREET NW	SE 1/4 - 1/2 (0.443 mi.)	M52	87
500 & 502 2ND STREET NW	500 & 502 2ND STREET NW	SE 1/4 - 1/2 (0.472 mi.)	M57	103
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
600 SEVENTH STREET NW	600 SEVENTH STREET NW	ESE 1/8 - 1/4 (0.207 mi.)	D15	27

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JOHN WIDDICOMB CO	601 5TH ST NW	ESE 1/8 - 1/4 (0.240 mi.)	E21	29
601 & 611 5TH ST/609 6TH ST/71	601 & 611 5TH STREET NW	ESE 1/8 - 1/4 (0.240 mi.)	E23	35
555 7TH STREET NW	555 7TH STREET NW	E 1/4 - 1/2 (0.251 mi.)	F24	36
JOHN WIDDICOMB PROPERTY	600 BLOCK OF FIFTH STRE	ESE 1/4 - 1/2 (0.265 mi.)	E25	36
600 FIFTH STREET N. W.	600 FIFTH STREET N. W.	ESE 1/4 - 1/2 (0.266 mi.)	G26	37
615 FOURTH STREET NW	615 FOURTH STREET NW	SE 1/4 - 1/2 (0.292 mi.)	H30	38
516 SEVENTH STREET NW	516 SEVENTH STREET NW	E 1/4 - 1/2 (0.295 mi.)	F31	38
560 FIFTH STREET NW	560 FIFTH STREET NW	ESE 1/4 - 1/2 (0.296 mi.)	G35	40
AMERICAN SEATING	801-889 BROADWAY AVENUE	ENE 1/4 - 1/2 (0.303 mi.)	36	41
OXY METAL INDUSTRIES CORP GRAN	522 STOCKING AVE NW	SSE 1/4 - 1/2 (0.398 mi.)	J42	44
667 LEONARD STREET NW	667 LEONARD STREET NW	NNE 1/4 - 1/2 (0.485 mi.)	Q62	109

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there is 1 EDR US Hist Auto Stat site within approximately 0.25 miles of the target property.

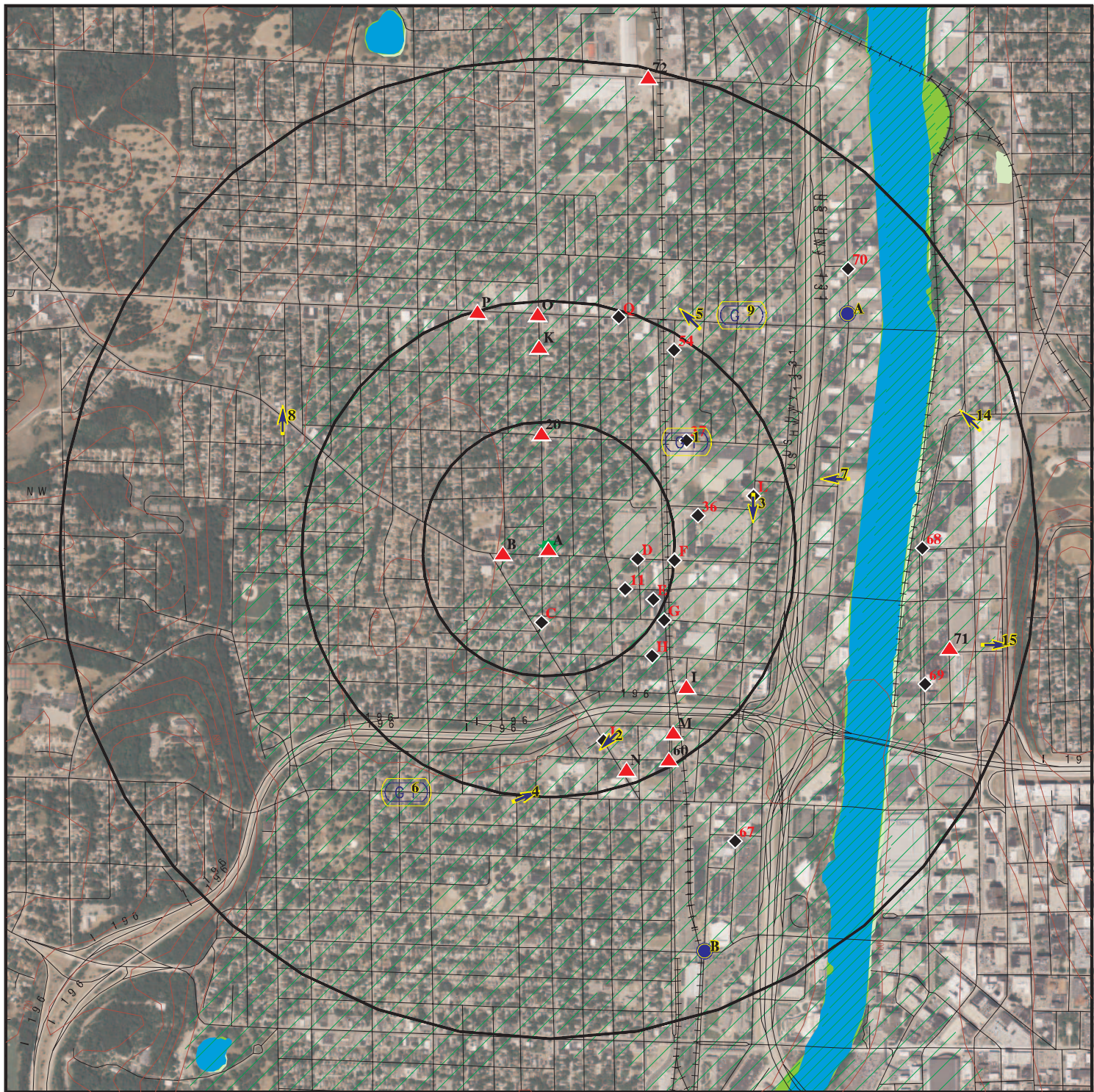
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	1002 ALPINE AVE NW	N 1/8 - 1/4 (0.227 mi.)	20	29

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

<u>Site Name</u>	<u>Database(s)</u>
68TH. ST. & DIVISION AREA	PART 201, DEL PART 201
1271-1727 ALPINE AVENUE	INVENTORY
3718 ALPINE AVENUE NW	INVENTORY
1750 ALPINE AVENUE N. W. (A TO Z M	INVENTORY

OVERVIEW MAP - 04170139.2R



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

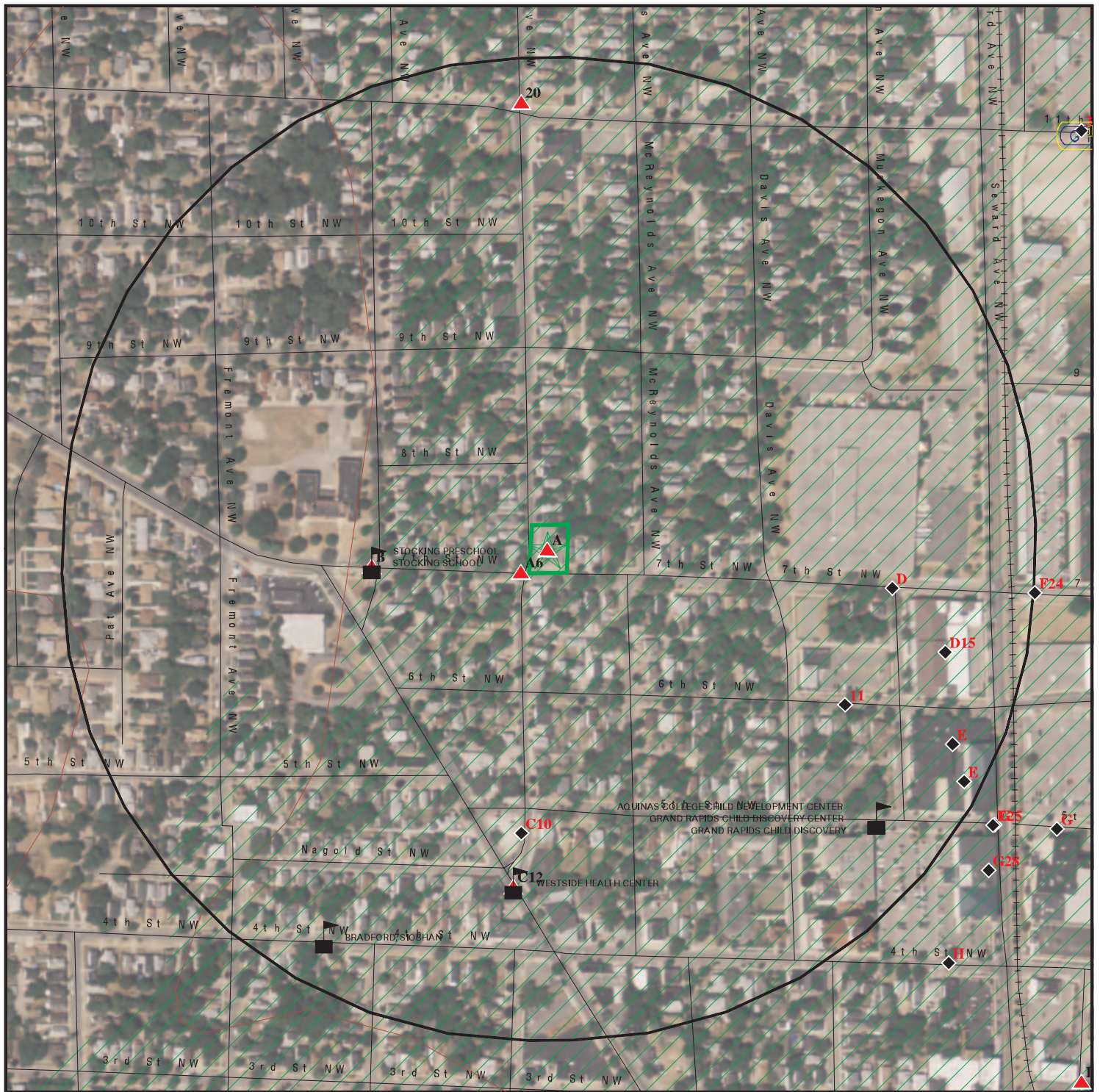
State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 802 Alpine Avenue NW
ADDRESS: 802 Alpine Avenue NW
Grand Rapids MI 49504
LAT/LONG: 42.9782 / 85.6877

CLIENT: PM Environmental, Inc.
CONTACT: Lindsey Sorensen
INQUIRY #: 04170139.2r
DATE: December 30, 2014 8:42 am

DETAIL MAP - 04170139.2R



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

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 ADDRESS: 802 Alpine Avenue NW
 Grand Rapids MI 49504
 LAT/LONG: 42.9782 / 85.6877

CLIENT: PM Environmental, Inc.
 CONTACT: Lindsey Sorensen
 INQUIRY #: 04170139.2r
 DATE: December 30, 2014 8:42 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	1	NR	NR	1
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		1	0	NR	NR	NR	1
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500	1	1	2	6	NR	NR	10
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
UST	0.250	1	1	3	NR	NR	NR	5

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AUL	0.500		0	0	1	NR	NR	1
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		1	0	4	NR	NR	5
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
INVENTORY	0.500		1	7	15	NR	NR	23
PART 201	1.000		0	1	1	4	NR	6
DEL PART 201	1.000		0	1	3	2	NR	6
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	1	0	2	NR	NR	NR	3
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
BEA	0.500		0	3	16	NR	NR	19
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
WDS	TP	1	NR	NR	NR	NR	NR	1

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250	1	0	1	NR	NR	NR	2
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST	TP	2	NR	NR	NR	NR	NR	2
RGA PART 201	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target
Property

NORTH END TRANSMISSION SERVICE
802 ALPINE NE
GRAND RAPIDS, MI 49504

LUST
UST
WDS

U003328538
N/A

Site 1 of 6 in cluster A

Actual:
615 ft.

LUST:

Facility ID: 00013761
Source: STATE OF MICHIGAN
Owner Name: North End Transmission
Owner Address: 802 Alpine Ave NW
Owner City,St,Zip: Grand Rapids, MI 49504-4410
Owner Contact: Not reported
Owner Phone: (616) 454-3097
Country: USA
District: Grand Rapids District Office
Site Name: North End Transmission
Latitude: 42.97805
Longitude: -85.68763
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0390-90
Release Date: 01/23/1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 01/09/1992

UST:

Facility ID: 00013761
Facility Type: CLOSED
Owner Name: NORTH END TRANSMISSION
Owner Address: 802 ALPINE AVE NW
Owner City,St,Zip: GRAND RAPIDS, MI 49504-4410
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 454-3097
Contact: Edward D & Betsy K Sherd
Contact Phone: (616) 874-6816
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.97805
Longitude: -85.68763

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 5000
Product: Used Oil
Install Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH END TRANSMISSION SERVICE (Continued)

U003328538

Remove Date: 01/23/1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 1000
Product: Not reported
Install Date: Not reported
Remove Date: 01/23/1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Unknown
Impressed Device: No

WDS:
Site Id: MID017095530
WMD Id: 394764
Site Specific Name: NORTH END TRANSMISSION INC
Mailing Address: 802 ALPINE AVE NW
Mailing City/State/Zip: 49504
Mailing County: KENT

**A2
Target
Property**

**NORTH END TRANSMISSION SERVICE
802 ALPINE NE
GRAND RAPIDS, MI**

**RGA LUST S115688328
N/A**

Site 2 of 6 in cluster A

**Actual:
615 ft.**

RGA LUST:

2012	NORTH END TRANSMISSION SERVICE	802 ALPINE NE
2011	NORTH END TRANSMISSION SERVICE	802 ALPINE NE
2010	NORTH END TRANSMISSION SERVICE	802 ALPINE NE
2009	NORTH END TRANSMISSION SERVICE	802 ALPINE NE
2008	NORTH END TRANSMISSION SERVICE	802 ALPINE NE
2007	NORTH END TRANSMISSION SERVICE	802 ALPINE NE
2006	NORTH END TRANSMISSION SERVICE	802 ALPINE NE
2005	NORTH END TRANSMISSION SERVICE	802 ALPINE NE
2004	NORTH END TRANSMISSION SERVICE	802 ALPINE NE
2003	NORTH END TRANSMISSION SERVICE	802 ALPINE NE
2001	NORTH END TRANSMISSION SERVICE	802 ALPINE NE
2000	NORTH END TRANSMISSION SERVICE	802 ALPINE NE
1999	NORTH END TRANSMISSION SERVICE	802 ALPINE NE
1998	NORTH END TRANSMISSION SERVICE	802 ALPINE NE
1997	NORTH END TRANSMISSION SERVICE	802 ALPINE NE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3
Target
Property

NORTH END TRANSMISSION
802 ALPINE
GRAND RAPIDS, MI

RGA LUST **S115688329**
N/A

Site 3 of 6 in cluster A

Actual:
615 ft.

RGA LUST:

1991 NORTH END TRANSMISSION 802 ALPINE

A4
Target
Property

802 ALPINE AVE NW
GRAND RAPIDS, MI 49504

EDR US Hist Auto Stat **1015639496**
N/A

Site 4 of 6 in cluster A

Actual:
615 ft.

EDR Historical Auto Stations:

Name: NORTH END FAMILY RESTAURANT NORTH END TRANSMISSION
Year: 1999
Address: 802 ALPINE AVE NW

Name: NORTH END FAMILY RESTAURANT NORTH END TRANSMISSION
Year: 2000
Address: 802 ALPINE AVE NW

Name: NORTH END TRANSMISSION
Year: 2001
Address: 802 ALPINE AVE NW

Name: NORTH END TRANSMISSION SERVICE INC
Year: 2003
Address: 802 ALPINE AVE NW

Name: NORTH END TRANSMISSION SERVICE INC
Year: 2005
Address: 802 ALPINE AVE NW

Name: NORTH END TRANSMISSION SERVICE INC
Year: 2006
Address: 802 ALPINE AVE NW

Name: NORTH END TRANSMISSION SERVICE INC
Year: 2007
Address: 802 ALPINE AVE NW

Name: NORTH END TRANSMISSION SERVICE INC
Year: 2008
Address: 802 ALPINE AVE NW

Name: NORTH END TRANSMISSION SERVICE
Year: 2009
Address: 802 ALPINE AVE NW

Name: NORTH END TRANSMISSION SERVICES
Year: 2011
Address: 802 ALPINE AVE NW

Name: NORTH END TRANSMISSION SERVICES
Year: 2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1015639496

Address: 802 ALPINE AVE NW

A5
Target
Property

NORTH END TRANSMISSION INC
802 ALPINE AVE NW
GRAND RAPIDS, MI 49504

RCRA NonGen / NLR
FINDS

1000405792
MID017095530

Site 5 of 6 in cluster A

Actual:
615 ft.

RCRA NonGen / NLR:

Date form received by agency: 12/31/2001

Facility name: NORTH END TRANSMISSION INC

Facility address: 802 ALPINE AVE NW
GRAND RAPIDS, MI 49504

EPA ID: MID017095530

Contact: DAVID SHERD

Contact address: 802 ALPINE AVE NW
GRAND RAPIDS, MI 49504

Contact country: US

Contact telephone: (616) 454-3097

Contact email: Not reported

EPA Region: 05

Land type: Private

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: SHERD DAVID

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 12/01/1986

Owner/Op end date: Not reported

Owner/operator name: SHERD DAVID

Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 12/01/1986

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH END TRANSMISSION INC (Continued)

1000405792

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 10/09/1987
Site name: NORTH END TRANSMISSION INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 01/03/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003588243

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
A6 SW < 1/8 0.005 mi. 24 ft.	555 7TH STREET NW 555 7TH STREET NW AKA 801 BROADWAY AVENUE NW KENT (County), MI 49504 Site 6 of 6 in cluster A	INVENTORY	S114027867 N/A
Relative: Higher	INVENTORY: Bea Number: 201303480GR Township: Grand Rapids District: Grand Rapids Data Source: BEA Latitude: Not reported Longitude: Not reported		
Actual: 615 ft.	Bea Number: 201203330GR Township: Grand Rapids District: Grand Rapids Data Source: BEA Latitude: Not reported Longitude: Not reported		
B7 West < 1/8 0.076 mi. 400 ft.	MIKE WAWEE & SONS AUTO SALES INC 856 7TH ST NW GRAND RAPIDS, MI 49504 Site 1 of 3 in cluster B	RCRA-CESQG	1009312026 MIK226916773
Relative: Higher	RCRA-CESQG: Date form received by agency: 01/24/2006 Facility name: MIKE WAWEE & SONS AUTO SALES INC Facility address: 856 7TH ST NW GRAND RAPIDS, MI 49504 EPA ID: MIK226916773 Contact: CHRIS WAWEE Contact address: 856 7TH ST NW GRAND RAPIDS, MI 49504 Contact country: US Contact telephone: (616) 791-1043 Contact email: Not reported EPA Region: 05 Classification: Conditionally Exempt Small Quantity Generator Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste		
	Owner/Operator Summary: Owner/operator name: CHRIS WAWEE Owner/operator address: Not reported		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIKE WAWEE & SONS AUTO SALES INC (Continued)

1009312026

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/01/2002
Owner/Op end date: Not reported

Owner/operator name: CHRIS WAWEE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/01/2002
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

B8
West
< 1/8
0.076 mi.
400 ft.

WALDMILLER ALL-SERVICE
856 7TH ST NW
GRAND RAPIDS, MI 49504
Site 2 of 3 in cluster B

LUST **U003328372**
UST **N/A**
WDS

Relative:
Higher

LUST:
Facility ID: 00011368
Source: STATE OF MICHIGAN
Owner Name: Richard Waldmiller
Owner Address: 359 Scott Ave NW

Actual:
619 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALDMILLER ALL-SERVICE (Continued)

U003328372

Owner City,St,Zip: Grand Rapids, MI 49504-4980
Owner Contact: Not reported
Owner Phone: (616) 453-3082
Country: USA
District: Grand Rapids District Office
Site Name: Waldmiller All-service
Latitude: 42.97778
Longitude: -85.68973
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0685-99
Release Date: 07/14/1999
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 01/03/2000

UST:

Facility ID: 00011368
Facility Type: CLOSED
Owner Name: RICHARD WALDMILLER
Owner Address: 359 SCOTT AVE NW
Owner City,St,Zip: GRAND RAPIDS, MI 49504-4980
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 453-3082
Contact: RICHARD WALDMILLER
Contact Phone: (616) 453-3082
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.97778
Longitude: -85.68973

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 3000
Product: Gasoline
Install Date: Not reported
Remove Date: 07/16/1987
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALDMILLER ALL-SERVICE (Continued)

U003328372

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 3000
Product: Gasoline
Install Date: Not reported
Remove Date: 07/16/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 3000
Product: Kerosene
Install Date: Not reported
Remove Date: 07/16/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: **Removed from Ground**
Capacity: 500
Product: Not reported
Install Date: Not reported
Remove Date: 07/16/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: **Removed from Ground**
Capacity: 500
Product: Used Oil
Install Date: Not reported
Remove Date: 07/31/1995
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

WDS:

Site Id: MIK226916773

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALDMILLER ALL-SERVICE (Continued)

U003328372

WMD Id: 480522
Site Specific Name: MIKE WAWEE & SONS AUTO SALES INC
Mailing Address: 856 7TH ST NW
Mailing City/State/Zip: 49504
Mailing County: KENT

B9
West
< 1/8
0.084 mi.
446 ft.

STOCKING ELEMENTARY SCHOOL
863 SEVENTH ST. NW
GRAND RAPIDS, MI 49504

US BROWNFIELDS **1016457135**
FINDS **N/A**

Site 3 of 3 in cluster B

Relative:
Higher

US BROWNFIELDS:

Actual:
619 ft.

Recipient name: Grand Rapids, City of
Grant type: Assessment
Property name: STOCKING ELEMENTARY SCHOOL
Property #: 41-13-23-284-011
Parcel size: 3.7
Property Description: Records reviewed indicated the property was developed as residential prior to construction of the Stocking school on the property; the property was owned by Grand Rapids Public Schools beginning about 1920. The school building was completed around 1923.

Latitude: Not reported
Longitude: Not reported
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: North American Datum of 1927
ACRES property ID: 170856
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 3013
Assessment funding source: Private/Other Funding
Redevelopment funding: Not reported
Redev. funding source: Not reported
Redev. funding entity name: Not reported
Redevelopment start date: Not reported
Assessment funding entity: GR School Lofts, LLC
Cleanup funding entity: Not reported
Grant type: H
Accomplishment type: Phase II Environmental Assessment
Accomplishment count: 0
Cooperative agreement #: 00E00416
Ownership entity: Government
Current owner: Grand Rapids Public School District
Did owner change: Y
Cleanup required: Unknown
Video available: No
Photo available: Yes
Institutional controls required: Not reported
IC Category proprietary controls: Not reported
IC cat. info. devices: Not reported
IC cat. gov. controls: Not reported
IC cat. enforcement permit tools: Not reported
IC in place date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STOCKING ELEMENTARY SCHOOL (Continued)

1016457135

IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contaminants found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STOCKING ELEMENTARY SCHOOL (Continued)

1016457135

Selenium cleaned up: Not reported
SVOCs cleaned up: Not reported
Unknown clean up: Not reported
Arsenic contaminant found: Not reported
Cadmium contaminant found: Not reported
Chromium contaminant found: Not reported
Copper contaminant found: Not reported
Iron contaminant found: Not reported
Mercury contaminant found: Not reported
Nickel contaminant found: Not reported
No contaminant found: Not reported
Pesticides contaminant found: Not reported
Selenium contaminant found: Not reported
SVOCs contaminant found: Not reported
Unknown contaminant found: Not reported
Future Use: Multistory Not reported
Media affected Bluiding Material: Not reported
Media affected indoor air: Not reported
Building material media cleaned up: Not reported
Indoor air media cleaned up: Not reported
Unknown media cleaned up: Not reported
Past Use: Multistory Not reported

Recipient name: Grand Rapids, City of
Grant type: Assessment
Property name: STOCKING ELEMENTARY SCHOOL
Property #: 41-13-23-284-011
Parcel size: 3.7
Property Description: Records reviewed indicated the property was developed as residential prior to construction of the Stocking school on the property; the property was owned by Grand Rapids Public Schools beginning about 1920. The school building was completed around 1923.

Latitude: Not reported
Longitude: Not reported
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: North American Datum of 1927
ACRES property ID: 170856
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 3537
Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding: Not reported
Redev. funding source: Not reported
Redev. funding entity name: Not reported
Redevelopment start date: Not reported
Assessment funding entity: EPA
Cleanup funding entity: Not reported
Grant type: H
Accomplishment type: Phase II Environmental Assessment
Accomplishment count: 0
Cooperative agreement #: 00E00416
Ownership entity: Government

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STOCKING ELEMENTARY SCHOOL (Continued)

1016457135

Current owner:	Grand Rapids Public School District
Did owner change:	Y
Cleanup required:	Unknown
Video available:	No
Photo available:	Yes
Institutional controls required:	Not reported
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contaminants found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STOCKING ELEMENTARY SCHOOL (Continued)

1016457135

Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Y
Arsenic cleaned up: Not reported
Cadmium cleaned up: Not reported
Chromium cleaned up: Not reported
Copper cleaned up: Not reported
Iron cleaned up: Not reported
mercury cleaned up: Not reported
nickel cleaned up: Not reported
No clean up: Not reported
Pesticides cleaned up: Not reported
Selenium cleaned up: Not reported
SVOCs cleaned up: Not reported
Unknown clean up: Not reported
Arsenic contaminant found: Not reported
Cadmium contaminant found: Not reported
Chromium contaminant found: Not reported
Copper contaminant found: Not reported
Iron contaminant found: Not reported
Mercury contaminant found: Not reported
Nickel contaminant found: Not reported
No contaminant found: Not reported
Pesticides contaminant found: Not reported
Selenium contaminant found: Not reported
SVOCs contaminant found: Not reported
Unknown contaminant found: Not reported
Future Use: Multistory Not reported
Media affected Bluiding Material: Not reported
Media affected indoor air: Not reported
Building material media cleaned up: Not reported
Indoor air media cleaned up: Not reported
Unknown media cleaned up: Not reported
Past Use: Multistory Not reported

Recipient name: Grand Rapids, City of
Grant type: Assessment
Property name: STOCKING ELEMENTARY SCHOOL
Property #: 41-13-23-284-011
Parcel size: 3.7
Property Description: Records reviewed indicated the property was developed as residential prior to construction of the Stocking school on the property; the property was owned by Grand Rapids Public Schools beginning about 1920. The school building was completed around 1923.

Latitude: Not reported
Longitude: Not reported
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: North American Datum of 1927
ACRES property ID: 170856
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 2500
Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STOCKING ELEMENTARY SCHOOL (Continued)

1016457135

Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	H
Accomplishment type:	Phase I Environmental Assessment
Accomplishment count:	1
Cooperative agreement #:	00E00416
Ownership entity:	Government
Current owner:	Grand Rapids Public School District
Did owner change:	Y
Cleanup required:	Unknown
Video available:	No
Photo available:	Yes
Institutional controls required:	Not reported
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STOCKING ELEMENTARY SCHOOL (Continued)

1016457135

VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported

FINDS:

Registry ID: 110057202600

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)
is an federal online database for Brownfields Grantees to
electronically submit data directly to EPA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C10
South
1/8-1/4
0.139 mi.
734 ft.

GET IT GO
5664 ALPINE NW
GRAND RAPIDS, MI 49544

Site 1 of 2 in cluster C

UST **U003327697**
N/A

Relative:
Lower

UST:

Actual:
614 ft.

Facility ID: 00002673
Facility Type: CLOSED
Owner Name: VAN MANEN OIL INC
Owner Address: O-305 LAKE MICHIGAN DR NW
Owner City,St,Zip: GRAND RAPIDS, MI 49544-3355
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 453-6344
Contact: G. VAN MANEN
Contact Phone: (616) 453-6344
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 43.06734
Longitude: -85.68953

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 2000
Product: Gasoline
Install Date: 05/02/1973
Remove Date: 11/01/1987
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 3000
Product: Gasoline
Install Date: 05/02/1973
Remove Date: 11/01/1987
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 1000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GET IT GO (Continued)

U003327697

Product: Gasoline
Install Date: 05/02/1976
Remove Date: 11/01/1987
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

11
ESE
1/8-1/4
0.165 mi.
870 ft.

MI DEPT/STATE POLICE
648 6TH ST NW
GRAND RAPIDS, MI 49504

RCRA NonGen / NLR

1007100455
MIK836522946

Relative:
Lower

RCRA NonGen / NLR:

Actual:
610 ft.

Date form received by agency: 09/03/2002
Facility name: MI DEPT/STATE POLICE
Facility address: 648 6TH ST NW
GRAND RAPIDS, MI 49504
EPA ID: MIK836522946
Mailing address: 588 3 MILE RD NW
GRAND RAPIDS, MI 49544
Contact: STEVE RAU
Contact address: 648 6TH ST NW
GRAND RAPIDS, MI 49504
Contact country: US
Contact telephone: (616) 647-0821
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: MI DEPT/STATE POLICE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 09/03/2002
Owner/Op end date: Not reported

Owner/operator name: MI DEPT/STATE POLICE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: 09/03/2002
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MI DEPT/STATE POLICE (Continued)

1007100455

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

C12
South
1/8-1/4
0.168 mi.
885 ft.

EL MATADOR TORTILLA CHIPS (FORME
669 STOCKING AVE NW
GRAND RAPIDS, MI 49504

LUST **U003329581**
UST **N/A**

Site 2 of 2 in cluster C

Relative:
Higher

LUST:

Actual:
615 ft.

Facility ID: 00038602
Source: STATE OF MICHIGAN
Owner Name: El Matador Tortilla Chips Co
Owner Address: 45 Franklin St SW
Owner City,St,Zip: Grand Rapids, MI 49507-1025
Owner Contact: Not reported
Owner Phone: (616) 241-1121
Country: USA
District: Grand Rapids District Office
Site Name: Former El Matador Tortilla Chip
Latitude: 42.97534
Longitude: -85.68807
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0580-95
Release Date: 05/22/1995
Substance Released: Gasoline
Release Status: Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EL MATADOR TORTILLA CHIPS (FORME (Continued))

U003329581

Release Closed Date: 08/01/1995

UST:

Facility ID: 00038602
Facility Type: CLOSED
Owner Name: EL MATADOR TORTILLA CHIPS CO
Owner Address: 45 FRANKLIN ST SW
Owner City,St,Zip: GRAND RAPIDS, MI 49507-1025
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 241-1121
Contact: MIQUEL NAVARRO
Contact Phone: (616) 241-1121
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.97534
Longitude: -85.68807

Tank ID: 1

Tank Status: Closed in Ground

Capacity: Not reported
Product: Gasoline
Install Date: Not reported
Remove Date: 07/05/1995
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Suction: No Valve At Tank
Construction Material: Excavation Liner
Impressed Device: No

D13
East
1/8-1/4
0.174 mi.
921 ft.

600 7TH STREET NW
600 7TH STREET NW
KENT (County), MI 49504

Site 1 of 3 in cluster D

INVENTORY S116385977
N/A

Relative:
Lower

Actual:
610 ft.

INVENTORY:
Bea Number: 201403687GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

D14
East
1/8-1/4
0.174 mi.
921 ft.

600 SEVENTH STREET NW
600 SEVENTH STREET NW
KENT (County), MI 49504

Site 2 of 3 in cluster D

INVENTORY **S114028104**
N/A

Relative:
Lower

INVENTORY:

Bea Number: 200401478GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Actual:
610 ft.

Bea Number: 201102951GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Bea Number: 201103023GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

D15
ESE
1/8-1/4
0.207 mi.
1093 ft.

600 SEVENTH STREET NW
600 SEVENTH STREET NW
GRAND RAPIDS, MI 49504

Site 3 of 3 in cluster D

BEA **S106521652**
N/A

Relative:
Lower

BEA:

Secondary Address: Not reported
BEA Number: 1478
District: Grand Rapids
Date Received: 08/04/2004
Submitter Name: Aslan - 600 Seventh L.L.C.
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: heytg
Division Assigned: Environmental Response Division

Actual:
610 ft.

Secondary Address: Not reported
BEA Number: 3023
District: Grand Rapids
Date Received: 10/21/2011
Submitter Name: Coastal-Aslan Building, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: pawlosj2
Division Assigned: Environmental Response Division

Secondary Address: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

600 SEVENTH STREET NW (Continued)

S106521652

BEA Number: 2951
District: Grand Rapids
Date Received: 06/06/2011
Submitter Name: Fifth Third Bank
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: pawlosj2
Division Assigned: Environmental Response Division

**E16
ESE
1/8-1/4
0.226 mi.
1193 ft.**

**601 & 611 5TH ST/609 6TH ST/710 MUSKEGON
601 & 611 5TH STREET NW & 609 6TH ST NW & 710 MUSKEGON AVENUE
KENT (County), MI 49504**

**INVENTORY S114026242
N/A**

Site 1 of 8 in cluster E

**Relative:
Lower**

INVENTORY:
Bea Number: 201102952GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: 42.97669
Longitude: -85.68342

**Actual:
611 ft.**

**E17
ESE
1/8-1/4
0.226 mi.
1193 ft.**

**601&611 FIFTH, 609 SIXTH, 710 MUSKEGON
601 & 611 FIFTH ST NW, 609 SIXTH ST NW & 710 MUSKEGON AVENUE
KENT (County), MI 49423**

**INVENTORY S114026245
N/A**

Site 2 of 8 in cluster E

**Relative:
Lower**

INVENTORY:
Bea Number: 201103024GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: 42.97669
Longitude: -85.68342

**Actual:
611 ft.**

Bea Number: 201103025GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: 42.97669
Longitude: -85.68342

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

E18
ESE
1/8-1/4
0.226 mi.
1193 ft.

JOHN WIDDICOMB PROPERTY
600 BLOCK OF FIFTH STREET NW
KENT (County), MI

Site 3 of 8 in cluster E

INVENTORY **S114026246**
N/A

Relative:
Lower

Actual:
611 ft.

INVENTORY:
Bea Number: 199600066GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: 42.97669
Longitude: -85.68342

E19
ESE
1/8-1/4
0.226 mi.
1193 ft.

601 5TH STREET NW
601 5TH STREET NW
KENT (County), MI

Site 4 of 8 in cluster E

INVENTORY **S114026243**
N/A

Relative:
Lower

Actual:
611 ft.

INVENTORY:
Bea Number: 200100987GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: 42.97669
Longitude: -85.68342

20
North
1/8-1/4
0.227 mi.
1196 ft.

1002 ALPINE AVE NW
GRAND RAPIDS, MI 49504

EDR US Hist Auto Stat **1015121447**
N/A

Relative:
Higher

Actual:
617 ft.

EDR Historical Auto Stations:
Name: A ONE SMALL ENGINE REPAIR LLC
Year: 2010
Address: 1002 ALPINE AVE NW

E21
ESE
1/8-1/4
0.240 mi.
1268 ft.

JOHN WIDDICOMB CO
601 5TH ST NW
GRAND RAPIDS, MI 49504

Site 5 of 8 in cluster E

INVENTORY **U002301747**
PART 201 **N/A**
DEL PART 201
LUST
UST
BEA
WDS

Relative:
Lower

Actual:
611 ft.

INVENTORY:
Bea Number: Not reported
Township: Grand Rapids
District: Grand Rapids
Data Source: Part 201
Latitude: 42.97669
Longitude: -85.68342

PART 201:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JOHN WIDDICOMB CO (Continued)

U002301747

Facility ID: 41000773
Facility Status: Interim Response conducted
Source: Not reported
SAM Score: 28
SAM Score Date: 06/07/2005
Township: 07N
Range: 12W
Section: 24
Quarter: SW
Quarter/Quarter: NW
Pollutants: Fluoranthene; Phenanthrene; Se; Ag

DEL_PART201:

Facility ID: 41000998
Status: Deleted - available documentation does not support listing

LUST:

Facility ID: 00038547
Source: STATE OF MICHIGAN
Owner Name: John Widdicomb Co
Owner Address: 601 5th St NW
Owner City,St,Zip: Grand Rapids, MI 49504-5106
Owner Contact: Not reported
Owner Phone: (616) 459-7173
Country: USA
District: Grand Rapids District Office
Site Name: John Widdicomb Company
Latitude: 42.97610
Longitude: -85.68306
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0434-95
Release Date: 04/20/1995
Substance Released: Unknown
Release Status: Closed
Release Closed Date: 04/09/1996

UST:

Facility ID: 00038547
Facility Type: CLOSED
Owner Name: JOHN WIDDICOMB CO
Owner Address: 601 5TH ST NW
Owner City,St,Zip: GRAND RAPIDS, MI 49504-5106
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 459-7173
Contact: MR CLAIR FRENCH
Contact Phone: (616) 459-7173
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JOHN WIDDICOMB CO (Continued)

U002301747

Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.97610
Longitude: -85.68306

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 550
Product: Gasoline
Install Date: Not reported
Remove Date: 04/13/1995
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 120
Product: Hazardous Substance
Install Date: Not reported
Remove Date: 04/13/1995
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

BEA:

Secondary Address: Not reported
BEA Number: 987
District: Grand Rapids
Date Received: 12/17/2001
Submitter Name: 601 Properties, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: wierzbid
Division Assigned: Environmental Response Division

WDS:

Site Id: MID985648120
WMD Id: 407500
Site Specific Name: WIDDICOMB JOHN CO
Mailing Address: 601 5TH ST NW
Mailing City/State/Zip: 49504
Mailing County: KENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E22
ESE
1/8-1/4
0.240 mi.
1268 ft.
WIDDICOMB JOHN CO
601 5TH ST NW
GRAND RAPIDS, MI 49504
Site 6 of 8 in cluster E

RCRA NonGen / NLR
1000827879
MID985648120

Relative:
Lower

RCRA NonGen / NLR:

Date form received by agency: 12/31/2001

Facility name: WIDDICOMB JOHN CO

Facility address: 601 5TH ST NW
GRAND RAPIDS, MI 49504

EPA ID: MID985648120

Contact: CLAIR FRENCH

Contact address: 601 5TH ST NW
GRAND RAPIDS, MI 49504

Contact country: US

Contact telephone: (616) 459-7173

Contact email: Not reported

EPA Region: 05

Land type: Other land type

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/2002

Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/2002

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WIDDICOMB JOHN CO (Continued)

1000827879

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/21/1992
Site name: WIDDICOMB JOHN CO
Classification: Small Quantity Generator

Date form received by agency: 01/01/1981
Site name: WIDDICOMB JOHN CO
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 07/31/1996
Date achieved compliance: 11/13/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/31/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WIDDICOMB JOHN CO (Continued)

1000827879

Area of violation: Generators - Records/Reporting
Date violation determined: 07/31/1996
Date achieved compliance: 11/13/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/31/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/31/1996
Date achieved compliance: 11/13/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/31/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 07/31/1996
Date achieved compliance: 11/13/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/31/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/12/1996
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/13/1996
Evaluation lead agency: State

Evaluation date: 11/12/1996
Evaluation: FOLLOW-UP INSPECTION
Area of violation: LDR - General
Date achieved compliance: 11/13/1996
Evaluation lead agency: State

Evaluation date: 11/12/1996
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WIDDICOMB JOHN CO (Continued)

1000827879

Date achieved compliance: 11/13/1996
Evaluation lead agency: State

Evaluation date: 11/12/1996
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - Records/Reporting
Date achieved compliance: 11/13/1996
Evaluation lead agency: State

Evaluation date: 07/25/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 11/13/1996
Evaluation lead agency: State

Evaluation date: 07/25/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/13/1996
Evaluation lead agency: State

Evaluation date: 07/25/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 11/13/1996
Evaluation lead agency: State

Evaluation date: 07/25/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/13/1996
Evaluation lead agency: State

E23 **601 & 611 5TH ST/609 6TH ST/710 MUSKEGON**
ESE **601 & 611 5TH STREET NW & 609 6TH ST NW**
1/8-1/4 **GRAND RAPIDS, MI 49504**
0.240 mi.
1268 ft. **Site 7 of 8 in cluster E**

BEA **S111120923**
N/A

Relative: **BEA:**
Lower Secondary Address: & 710 Muskegon Avenue NW
BEA Number: 2952
Actual: District: Grand Rapids
611 ft. Date Received: 06/06/2011
Submitter Name: Fifth Third Bank
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: monetd
Division Assigned: Environmental Response Division

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F24
East
1/4-1/2
0.251 mi.
1323 ft.

555 7TH STREET NW
555 7TH STREET NW
GRAND RAPIDS, MI 49504

Site 1 of 3 in cluster F

BEA **S113193033**
N/A

Relative:
Lower

BEA:

Secondary Address: aka 801 Broadway Avenue NW
BEA Number: 3330
District: Grand Rapids
Date Received: 12/14/2012
Submitter Name: Off Broadway Apartments Acquisition LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: monetd
Division Assigned: Environmental Response Division

Actual:
610 ft.

Secondary Address: aka 801 Broadway Avenue NW
BEA Number: 3480
District: Grand Rapids
Date Received: 07/08/2013
Submitter Name: Clark Place Residential Condominiums LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: monetd
Division Assigned: Environmental Response Division

E25
ESE
1/4-1/2
0.265 mi.
1399 ft.

JOHN WIDDICOMB PROPERTY
600 BLOCK OF FIFTH STREET NW
GRAND RAPIDS, MI

Site 8 of 8 in cluster E

BEA **S104909812**
N/A

Relative:
Lower

BEA:

Secondary Address: Not reported
BEA Number: 66
District: Grand Rapids
Date Received: 03/13/1996
Submitter Name: JDV Real Estate II, LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: monetd
Division Assigned: Environmental Response Division

Actual:
612 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G26
ESE
1/4-1/2
0.266 mi.
1403 ft.

600 FIFTH STREET N. W.
600 FIFTH STREET N. W.
GRAND RAPIDS, MI

Site 1 of 6 in cluster G

BEA S104911690
N/A

Relative:
Lower

BEA:

Secondary Address: Not reported
BEA Number: 575
District: Grand Rapids
Date Received: 08/18/1999
Submitter Name: Kent Record Management, Inc.
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: whitebl
Division Assigned: Environmental Response Division

Actual:
612 ft.

Secondary Address: Not reported
BEA Number: 576
District: Grand Rapids
Date Received: 08/18/1999
Submitter Name: Offsite Properties, L.L.C.
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: monetd
Division Assigned: Environmental Response Division

G27
ESE
1/4-1/2
0.266 mi.
1403 ft.

5TH STREET NW, 600
600 5TH STREET NW
GRAND RAPIDS, MI 49504

Site 2 of 6 in cluster G

DEL PART 201 S106880364
N/A

Relative:
Lower

DEL_PART201:

Facility ID: 41000997
Status: Deleted - available documentation does not support listing

Actual:
612 ft.

G28
SE
1/4-1/2
0.276 mi.
1458 ft.

600 FIFTH STREET N. W.
600 FIFTH STREET N. W.
KENT (County), MI

Site 3 of 6 in cluster G

INVENTORY S114026285
N/A

Relative:
Lower

INVENTORY:

Bea Number: 199900576GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Actual:
612 ft.

Bea Number: 199900575GR
Township: Grand Rapids
District: Grand Rapids

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

600 FIFTH STREET N. W. (Continued)

S114026285

Data Source: BEA
Latitude: 42.97571
Longitude: -85.68304

H29
SE
1/4-1/2
0.292 mi.
1543 ft.
4TH STREET NW, 615
615 4TH STREET NW
GRAND RAPIDS, MI 49504
Site 1 of 2 in cluster H

DEL PART 201 **S106880362**
N/A

Relative: DEL_PART201:
Lower Facility ID: 41000995
Status: Deleted - available documentation does not support listing
Actual:
612 ft.

H30
SE
1/4-1/2
0.292 mi.
1543 ft.
615 FOURTH STREET NW
615 FOURTH STREET NW
GRAND RAPIDS, MI
Site 2 of 2 in cluster H

BEA **S106174328**
N/A

Relative: BEA:
Lower Secondary Address: Not reported
BEA Number: 1352
District: Grand Rapids
Actual: Date Received: 01/30/2004
612 ft. Submitter Name: 2320 Properties LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: johnsonn
Division Assigned: Environmental Response Division

F31
East
1/4-1/2
0.295 mi.
1559 ft.
516 SEVENTH STREET NW
516 SEVENTH STREET NW
GRAND RAPIDS, MI 49504
Site 2 of 3 in cluster F

BEA **S109171386**
N/A

Relative: BEA:
Lower Secondary Address: Not reported
BEA Number: 2349
District: Grand Rapids
Actual: Date Received: 08/18/2008
612 ft. Submitter Name: Oliver Products Co.
Petition Determination: No Request
Petition Disclosure: 0
Category: Different Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: pawlosj2
Division Assigned: Environmental Response Division

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F32
East
1/4-1/2
0.295 mi.
1559 ft.
516 SEVENTH STREET NW
516 SEVENTH STREET NW
KENT (County), MI 49504
Site 3 of 3 in cluster F

INVENTORY **S114027597**
N/A

Relative: INVENTORY:
Lower Bea Number: 200802349GR
Township: Grand Rapids
District: Grand Rapids
Actual: Data Source: BEA
612 ft. Latitude: Not reported
Longitude: Not reported

G33
ESE
1/4-1/2
0.296 mi.
1562 ft.
560 FIFTH STREET NW
560 FIFTH STREET NW
KENT (County), MI 49504
Site 4 of 6 in cluster G

INVENTORY **S114026284**
N/A

Relative: INVENTORY:
Lower Bea Number: 199900633GR
Township: Grand Rapids
District: Grand Rapids
Actual: Data Source: BEA
612 ft. Latitude: 42.9756
Longitude: -85.68213

Bea Number: 200401351GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: 42.9756
Longitude: -85.68213

Bea Number: 201102953GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: 42.9756
Longitude: -85.68213

Bea Number: 201403699GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: 42.9756
Longitude: -85.68213

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G34
ESE
1/4-1/2
0.296 mi.
1562 ft.
JEUP INC
560 5TH ST NW
GRAND RAPIDS, MI 49504
Site 5 of 6 in cluster G

DEL PART 201
WDS
S108477236
N/A

Relative: DEL_PART201:
Lower Facility ID: 41000996
Status: Deleted - available documentation does not support listing

Actual:
612 ft.

WDS:
Site Id: MIR000004069
WMD Id: 409679
Site Specific Name: JEUP INC
Mailing Address: 560 5TH ST NW
Mailing City/State/Zip: 49504
Mailing County: KENT

G35
ESE
1/4-1/2
0.296 mi.
1562 ft.
560 FIFTH STREET NW
560 FIFTH STREET NW
GRAND RAPIDS, MI 49504
Site 6 of 6 in cluster G

BEA
S104911795
N/A

Relative: BEA:
Lower Secondary Address: Not reported
BEA Number: 1351
District: Grand Rapids
Actual: Date Received: 01/30/2004
612 ft. Submitter Name: 2320 Properties LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: johnsonn
Division Assigned: Environmental Response Division

Secondary Address: Not reported
BEA Number: 633
District: Grand Rapids
Date Received: 12/07/1999
Submitter Name: Dillon Acquisition LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Different Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: moyerr
Division Assigned: Environmental Response Division

Secondary Address: Not reported
BEA Number: 2953
District: Grand Rapids
Date Received: 06/06/2011
Submitter Name: Fifth Third Bank
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: odonneld

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

560 FIFTH STREET NW (Continued)

S104911795

Division Assigned: Environmental Response Division

36
ENE
1/4-1/2
0.303 mi.
1601 ft.

AMERICAN SEATING
801-889 BROADWAY AVENUE NW
GRAND RAPIDS, MI

BEA **S105768487**
N/A

Relative:
Lower

BEA:
Secondary Address: 850 Seward Avenue NW
BEA Number: 1103
District: Grand Rapids
Date Received: 10/30/2002
Submitter Name: American Seating Park, LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: pawlosj2
Division Assigned: Environmental Response Division

Actual:
610 ft.

37
NE
1/4-1/2
0.346 mi.
1827 ft.

J & L ROOFING CO
567 11TH ST NW
GRAND RAPIDS, MI 49504

LUST **U000257644**
UST **N/A**
WDS

Relative:
Lower

LUST:
Facility ID: 00002126
Source: STATE OF MICHIGAN
Owner Name: J & L Roofing Co
Owner Address: 567 11th St NW
Owner City,St,Zip: Grand Rapids, MI 49504-4450
Owner Contact: Not reported
Owner Phone: (616) 459-0840
Country: USA
District: Grand Rapids District Office
Site Name: J & L Roofing
Latitude: 42.98147
Longitude: -85.68202
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1814-90
Release Date: 09/19/1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 04/26/1994

Actual:
610 ft.

UST:
Facility ID: 00002126
Facility Type: CLOSED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J & L ROOFING CO (Continued)

U000257644

Owner Name: J & L ROOFING CO
Owner Address: 567 11TH ST NW
Owner City,St,Zip: GRAND RAPIDS, MI 49504-4450
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 459-0840
Contact: ROBERT BOOM
Contact Phone: (616) 459-0840
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.98147
Longitude: -85.68202

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1500
Product: Gasoline
Install Date: Not reported
Remove Date: 05/28/1991
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

WDS:

Site Id: MIG000026147
WMD Id: 449903
Site Specific Name: J & L ROOFING
Mailing Address: 567 11TH ST NW
Mailing City/State/Zip: 49504
Mailing County: KENT

**I38
SE
1/4-1/2
0.387 mi.
2044 ft.**

**618 DEWEY AVENUE NW
618 DEWEY AVENUE NW
KENT (County), MI 49504**

**INVENTORY S117324855
N/A**

Site 1 of 3 in cluster I

**Relative:
Higher**

INVENTORY:
Bea Number: 201403806GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

**Actual:
617 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I39
SE
1/4-1/2
0.391 mi.
2067 ft.
**607 DEWEY AVENUE NW
607 DEWEY AVENUE NW
GRAND RAPIDS, MI 49504**
Site 2 of 3 in cluster I

**BEA S110142397
N/A**

Relative: BEA:
Higher Secondary Address: Not reported
BEA Number: 2668
Actual: District: Grand Rapids
617 ft. Date Received: 02/19/2010
Submitter Name: 607 Dewey LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: heytg
Division Assigned: Environmental Response Division

I40
SE
1/4-1/2
0.391 mi.
2067 ft.
**607 DEWEY AVENUE NW
607 DEWEY AVENUE NW
KENT (County), MI 49504**
Site 3 of 3 in cluster I

**INVENTORY S114028175
N/A**

Relative: INVENTORY:
Higher Bea Number: 201002668GR
Township: Grand Rapids
Actual: District: Grand Rapids
617 ft. Data Source: BEA
Latitude: Not reported
Longitude: Not reported

J41
SSE
1/4-1/2
0.398 mi.
2101 ft.
**522 STOCKING AVENUE NW
522 STOCKING AVENUE NW
KENT (County), MI 49504**
Site 1 of 3 in cluster J

**INVENTORY S114027684
N/A**

Relative: INVENTORY:
Lower Bea Number: 201203109GR
Township: Grand Rapids
Actual: District: Grand Rapids
612 ft. Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Bea Number: 201203110GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J42
SSE
1/4-1/2
0.398 mi.
2101 ft.
OXY METAL INDUSTRIES CORP GRAND RAPID WH
522 STOCKING AVE NW
GRAND RAPIDS, MI 49504
Site 2 of 3 in cluster J

BEA **S111455215**
WDS **N/A**

Relative:
Lower

BEA:
Secondary Address: Not reported
BEA Number: 3109
District: Grand Rapids
Date Received: 01/31/2012
Submitter Name: 522 Stocking LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: pawlosj2
Division Assigned: Environmental Response Division

Actual:
612 ft.

Secondary Address: Not reported
BEA Number: 3110
District: Grand Rapids
Date Received: 01/31/2012
Submitter Name: Icon Sign Company LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: pawlosj2
Division Assigned: Environmental Response Division

WDS:

Site Id: MID057042202
WMD Id: 396386
Site Specific Name: OXY METAL INDUSTRIES CORP GRAND RAPID WH
Mailing Address: 522 STOCKING AVE NW
Mailing City/State/Zip: 49504
Mailing County: KENT

K43
North
1/4-1/2
0.405 mi.
2140 ft.
1147 ALPINE AVENUE NW
1147 ALPINE AVENUE NW
GRAND RAPIDS, MI 49504
Site 1 of 2 in cluster K

BEA **S113192988**
WDS **N/A**

Relative:
Higher

BEA:
Secondary Address: Not reported
BEA Number: 3324
District: Grand Rapids
Date Received: 11/21/2012
Submitter Name: Geenan DeKock Properties Group LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: johnsonn
Division Assigned: Environmental Response Division

Actual:
615 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

K44
North
1/4-1/2
0.405 mi.
2140 ft.
1147 ALPINE AVENUE NW
1147 ALPINE AVENUE NW
KENT (County), MI 49504
Site 2 of 2 in cluster K

INVENTORY **S114022302**
N/A

Relative:
Higher

INVENTORY:

Bea Number: 201203324GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Actual:
615 ft.

J45
SSE
1/4-1/2
0.417 mi.
2201 ft.
FOUR STAR SERVICE STATION #8
513 STOCKING NW
GRAND RAPIDS, MI 49548
Site 3 of 3 in cluster J

LUST **U003330473**
UST **N/A**

Relative:
Lower

LUST:

Facility ID: 00001985
Source: STATE OF MICHIGAN
Owner Name: Four Star Service
Owner Address: 6025 Division Ave S
Owner City,St,Zip: Grand Rapids, MI 49548-6737
Owner Contact: Not reported
Owner Phone: (616) 534-4913
Country: USA
District: Grand Rapids District Office
Site Name: Four Star Service Station #8
Latitude: 42.97205
Longitude: -85.68536
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-4013-85
Release Date: 10/01/1987
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 08/12/1997

UST:

Facility ID: 00001985
Facility Type: CLOSED
Owner Name: FOUR STAR SERVICE
Owner Address: 6025 DIVISION AVE S
Owner City,St,Zip: GRAND RAPIDS, MI 49548-6737
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 534-4913
Contact: JEFREY M.TROST
Contact Phone: (616) 534-4913
Date of Collection: 01/11/2001
Accuracy: 100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FOUR STAR SERVICE STATION #8 (Continued)

U003330473

Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.97205
Longitude: -85.68536

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Product: Gasoline
Install Date: 04/17/1962
Remove Date: 05/01/1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 6000
Product: Gasoline
Install Date: 04/17/1962
Remove Date: 05/01/1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 4000
Product: Gasoline
Install Date: 04/17/1980
Remove Date: 05/01/1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L46
ENE
1/4-1/2
0.424 mi.
2240 ft.
AMERICAN SEATING CO
901 BROADWAY AVE NW
GRAND RAPIDS, MI 49504
Site 1 of 2 in cluster L

INVENTORY
PART 201
LUST
UST
U002171813
N/A

Relative:
Lower

INVENTORY:

Bea Number: 201403723GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: 42.98023
Longitude: -85.68066

Actual:
611 ft.

Bea Number: Not reported
Township: Grand Rapids
District: Grand Rapids
Data Source: Part 201
Latitude: 42.98023
Longitude: -85.68066

PART 201:

Facility ID: 41000148
Facility Status: **Inactive - no actions taken to address contamination**
Source: Misc Manufacturing Industries
SAM Score: 27
SAM Score Date: 10/12/2005
Township: 7N
Range: 12W
Section: 24
Quarter: NW
Quarter/Quarter: SE
Pollutants: Methylene chloride; VC

LUST:

Facility ID: 00007898
Source: STATE OF MICHIGAN
Owner Name: American Seating Co
Owner Address: 901 Broadway Ave NW
Owner City,St,Zip: Grand Rapids, MI 49504-4414
Owner Contact: Not reported
Owner Phone: (616) 456-0600
Country: USA
District: Grand Rapids District Office
Site Name: American Seating Company
Latitude: 42.97939
Longitude: -85.67942
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0525-92
Release Date: 04/15/1992
Substance Released: Unknown,Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN SEATING CO (Continued)

U002171813

Release Status: Closed
Release Closed Date: 08/08/1996

Leak Number: C-1242-90
Release Date: 07/12/1990
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 08/08/1996

UST:

Facility ID: 00007898
Facility Type: CLOSED
Owner Name: AMERICAN SEATING CO
Owner Address: 901 BROADWAY AVE NW
Owner City,St,Zip: GRAND RAPIDS, MI 49504-4414
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 456-0600
Contact: GARY ENGERSON
Contact Phone: (616) 732-6650
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.97939
Longitude: -85.67942

Tank ID: 1
Tank Status: **Closed in Ground**
Capacity: 10000
Product: NAPHA,Hazardous Substance
Install Date: 03/25/1949
Remove Date: 02/01/1984
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: **Closed in Ground**
Capacity: 10000
Product: Hazardous Substance
Install Date: 03/25/1949
Remove Date: 02/01/1984
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN SEATING CO (Continued)

U002171813

Tank ID: 3
Tank Status: **Closed in Ground**
Capacity: 10000
Product: Hazardous Substance
Install Date: 03/25/1949
Remove Date: 02/01/1984
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: **Closed in Ground**
Capacity: 10000
Product: Hazardous Substance
Install Date: 03/25/1949
Remove Date: 02/01/1984
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: **Closed in Ground**
Capacity: 500
Product: Gasoline
Install Date: 03/25/1946
Remove Date: 04/01/1988
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: **Removed from Ground**
Capacity: 1000
Product: Gasoline
Install Date: Not reported
Remove Date: 10/01/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 7

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN SEATING CO (Continued)

U002171813

Tank Status: Removed from Ground
Capacity: 5000
Product: PAINT
Install Date: 03/26/1959
Remove Date: 10/01/1987
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 8
Tank Status: Removed from Ground
Capacity: 4000
Product: PAINT
Install Date: 03/26/1959
Remove Date: 04/01/1988
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 9
Tank Status: Removed from Ground
Capacity: 2000
Product: Not reported
Install Date: 03/25/1957
Remove Date: 03/01/1988
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 10
Tank Status: Removed from Ground
Capacity: 2000
Product: Not reported
Install Date: 03/25/1957
Remove Date: 04/01/1988
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 11
Tank Status: Removed from Ground

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN SEATING CO (Continued)

U002171813

Capacity: 3000
Product: Not reported
Install Date: 03/25/1957
Remove Date: 04/01/1988
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 12
Tank Status: **Removed from Ground**
Capacity: 3000
Product: Not reported
Install Date: 03/25/1957
Remove Date: 04/01/1988
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 13
Tank Status: **Removed from Ground**
Capacity: 1070
Product: FLOW THROUGH/WATER
Install Date: 03/25/1952
Remove Date: 05/04/1992
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 14
Tank Status: **Removed from Ground**
Capacity: 500
Product: Hazardous Substance
Install Date: Not reported
Remove Date: 07/25/1990
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 15
Tank Status: **Removed from Ground**
Capacity: 500

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN SEATING CO (Continued)

U002171813

Product: Gasoline
Install Date: Not reported
Remove Date: 04/29/1992
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

L47
ENE
1/4-1/2
0.424 mi.
2240 ft.

AMERICAN SEATING COMPANY HQ
901 BROADWAY AVENUE NW
GRAND RAPIDS, MI 49504

Site 2 of 2 in cluster L

US BROWNFIELDS **1014476600**
N/A

Relative:
Lower

US BROWNFIELDS:

Recipient name: Grand Rapids, City of
Grant type: Assessment
Property name: AMERICAN SEATING COMPANY HQ
Property #: Not reported
Parcel size: 11

Actual:
611 ft.

Property Description: American Seating is planning to undertake a large-scale property rehabilitation activities that will include demolition of aging, obsolete structures along with the construction of a new headquarters building and new manufacturing space. The project will result in significant investment within the community, as well as additional permanent jobs and short term construction jobs. American Seating has been operating in the City since 1886.

Latitude: 42.9803629
Longitude: -85.68099900000004
HCM label: Address Matching-House Number
Map scale: Not reported
Point of reference: Entrance Point of a Facility or Station
Datum: North American Datum of 1983
ACRES property ID: 113322
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 16919
Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding: Not reported
Redev. funding source: Not reported
Redev. funding entity name: Not reported
Redevelopment start date: Not reported
Assessment funding entity: Not reported
Cleanup funding entity: Not reported
Grant type: H
Accomplishment type: Supplemental Assessment
Accomplishment count: 1
Cooperative agreement #: 00E60701
Ownership entity: Private
Current owner: Not reported
Did owner change: N
Cleanup required: Yes
Video available: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN SEATING COMPANY HQ (Continued)

1014476600

Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	No
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	11
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	10
Future use industrial acreage:	1
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICAN SEATING COMPANY HQ (Continued)

1014476600

Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported

M48
SE
1/4-1/2
0.443 mi.
2338 ft.

FORMER MILLER PRODUCTS PROPERTY
601 AND 614 FIRST ST., 520 SECOND ST. AND 501 ALABAMA AVE.
GRAND RAPIDS, MI 49504

US BROWNFIELDS **1012296585**
N/A

Site 1 of 7 in cluster M

Relative:
Higher

US BROWNFIELDS:

Actual:
621 ft.

Recipient name:	Grand Rapids, City of
Grant type:	Assessment
Property name:	FORMER MILLER PRODUCTS PROPERTY
Property #:	41-13-24-357-005, 41-13-24-361-027, 41-13-24-378-003, 41-13-24-337-004
Parcel size:	3.6
Property Description:	Not reported
Latitude:	42.97213960000001
Longitude:	-85.68820900000003
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Center of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	102902
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	2800
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	H
Accomplishment type:	Phase I Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E00416
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	Y
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contaminants found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Cleanup other description: Not reported
Num. of cleanup and re-dev. jobs: Not reported
Past use greenspace acreage: Not reported
Past use residential acreage: Not reported
Past use commercial acreage: Not reported
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: .5
Future use industrial acreage: 3.1
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Y
Arsenic cleaned up: Not reported
Cadmium cleaned up: Not reported
Chromium cleaned up: Not reported
Copper cleaned up: Not reported
Iron cleaned up: Not reported
mercury cleaned up: Not reported
nickel cleaned up: Not reported
No clean up: Not reported
Pesticides cleaned up: Not reported
Selenium cleaned up: Not reported
SVOCs cleaned up: Not reported
Unknown clean up: Not reported
Arsenic contaminant found: Not reported
Cadmium contaminant found: Not reported
Chromium contaminant found: Not reported
Copper contaminant found: Not reported
Iron contaminant found: Not reported
Mercury contaminant found: Not reported
Nickel contaminant found: Not reported
No contaminant found: Not reported
Pesticides contaminant found: Not reported
Selenium contaminant found: Not reported
SVOCs contaminant found: Not reported
Unknown contaminant found: Not reported
Future Use: Multistory Not reported
Media affected Bluiding Material: Not reported
Media affected indoor air: Not reported
Building material media cleaned up: Not reported
Indoor air media cleaned up: Not reported
Unknown media cleaned up: Not reported
Past Use: Multistory Not reported

Recipient name: Grand Rapids, City of
Grant type: Assessment
Property name: FORMER MILLER PRODUCTS PROPERTY
Property #: 41-13-24-357-005, 41-13-24-361-027, 41-13-24-378-003, 41-13-24-337-004
Parcel size: 3.6
Property Description: Not reported
Latitude: 42.97213960000001
Longitude: -85.68820900000003
HCM label: Address Matching-House Number
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: North American Datum of 1983
ACRES property ID: 102902

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	2800
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	H
Accomplishment type:	Phase II Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E00416
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	Y
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contaminants found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	.5
Future use industrial acreage:	3.1
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported

Recipient name:	Grand Rapids, City of
Grant type:	Assessment
Property name:	FORMER MILLER PRODUCTS PROPERTY
Property #:	41-13-24-357-005, 41-13-24-361-027, 41-13-24-378-003, 41-13-24-337-004
Parcel size:	3.6

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Property Description:	Not reported
Latitude:	42.97213960000001
Longitude:	-85.68820900000003
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Center of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	102902
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	13487
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	H
Accomplishment type:	Supplemental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E00416
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	Y
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	.5
Future use industrial acreage:	3.1
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Recipient name:	Grand Rapids, City of
Grant type:	Assessment
Property name:	FORMER MILLER PRODUCTS PROPERTY
Property #:	41-13-24-357-005, 41-13-24-361-027, 41-13-24-378-003, 41-13-24-337-004
Parcel size:	3.6
Property Description:	Not reported
Latitude:	42.97213960000001
Longitude:	-85.68820900000003
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Center of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	102902
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	16992
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	500000
Redev. funding source:	Local Funding
Redev. funding entity name:	Tax Increment Financing
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	H
Accomplishment type:	Phase II Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E60701
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	Y
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	65
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	.5
Future use industrial acreage:	3.1
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Recipient name:	Grand Rapids, City of
Grant type:	Assessment
Property name:	FORMER MILLER PRODUCTS PROPERTY
Property #:	41-13-24-357-005, 41-13-24-361-027, 41-13-24-378-003, 41-13-24-337-004
Parcel size:	3.6
Property Description:	Not reported
Latitude:	42.97213960000001
Longitude:	-85.68820900000003
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Center of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	102902
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	16992
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	1000000
Redev. funding source:	Private/Other Funding
Redev. funding entity name:	Developer
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	H
Accomplishment type:	Phase II Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E60701
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	Y
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contaminants found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	65
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	.5
Future use industrial acreage:	3.1
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Recipient name:	Grand Rapids, City of
Grant type:	Assessment
Property name:	FORMER MILLER PRODUCTS PROPERTY
Property #:	41-13-24-357-005, 41-13-24-361-027, 41-13-24-378-003, 41-13-24-337-004
Parcel size:	3.6
Property Description:	Not reported
Latitude:	42.97213960000001
Longitude:	-85.68820900000003
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Center of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	102902
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	11431
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	500000
Redev. funding source:	Local Funding
Redev. funding entity name:	Tax Increment Financing
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	H
Accomplishment type:	Supplemental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E60701
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	Y
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contaminants found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	65
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	.5
Future use industrial acreage:	3.1
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Building Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported

Recipient name:	Grand Rapids, City of
Grant type:	Assessment
Property name:	FORMER MILLER PRODUCTS PROPERTY
Property #:	41-13-24-357-005, 41-13-24-361-027, 41-13-24-378-003, 41-13-24-337-004
Parcel size:	3.6
Property Description:	Not reported
Latitude:	42.97213960000001
Longitude:	-85.68820900000003
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Center of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	102902
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	11431
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	1000000
Redev. funding source:	Private/Other Funding
Redev. funding entity name:	Developer
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	H
Accomplishment type:	Supplemental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E60701

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Ownership entity:	Private
Current owner:	Not reported
Did owner change:	Y
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	65
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	.5

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Future use industrial acreage:	3.1
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Recipient name:	Grand Rapids, City of
Grant type:	Assessment
Property name:	FORMER MILLER PRODUCTS PROPERTY
Property #:	41-13-24-357-005, 41-13-24-361-027, 41-13-24-378-003, 41-13-24-337-004
Parcel size:	3.6
Property Description:	Not reported
Latitude:	42.97213960000001
Longitude:	-85.68820900000003
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Center of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	102902
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	3000
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	Not reported
Redev. funding source:	Not reported

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Database(s)

EDR ID Number
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FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	H
Accomplishment type:	Phase I Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E60801
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	Y
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Num. of cleanup and re-dev. jobs: Not reported
Past use greenspace acreage: Not reported
Past use residential acreage: Not reported
Past use commercial acreage: Not reported
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: .5
Future use industrial acreage: 3.1
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Y
Arsenic cleaned up: Not reported
Cadmium cleaned up: Not reported
Chromium cleaned up: Not reported
Copper cleaned up: Not reported
Iron cleaned up: Not reported
mercury cleaned up: Not reported
nickel cleaned up: Not reported
No clean up: Not reported
Pesticides cleaned up: Not reported
Selenium cleaned up: Not reported
SVOCs cleaned up: Not reported
Unknown clean up: Not reported
Arsenic contaminant found: Not reported
Cadmium contaminant found: Not reported
Chromium contaminant found: Not reported
Copper contaminant found: Not reported
Iron contaminant found: Not reported
Mercury contaminant found: Not reported
Nickel contaminant found: Not reported
No contaminant found: Not reported
Pesticides contaminant found: Not reported
Selenium contaminant found: Not reported
SVOCs contaminant found: Not reported
Unknown contaminant found: Not reported
Future Use: Multistory Not reported
Media affected Bluiding Material: Not reported
Media affected indoor air: Not reported
Building material media cleaned up: Not reported
Indoor air media cleaned up: Not reported
Unknown media cleaned up: Not reported
Past Use: Multistory Not reported

Recipient name: Grand Rapids, City of
Grant type: Assessment
Property name: FORMER MILLER PRODUCTS PROPERTY
Property #: 41-13-24-357-005, 41-13-24-361-027, 41-13-24-378-003, 41-13-24-337-004
Parcel size: 3.6
Property Description: Not reported
Latitude: 42.97213960000001
Longitude: -85.68820900000003
HCM label: Address Matching-House Number
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: North American Datum of 1983
ACRES property ID: 102902
Start date: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	26033
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	Not reported
Redev. funding source:	Not reported
Redev. funding entity name:	Not reported
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	H
Accomplishment type:	Phase II Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E60801
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	Y
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	.5
Future use industrial acreage:	3.1
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported

Recipient name:	Grand Rapids, City of
Grant type:	Assessment
Property name:	FORMER MILLER PRODUCTS PROPERTY
Property #:	41-13-24-357-005, 41-13-24-361-027, 41-13-24-378-003, 41-13-24-337-004
Parcel size:	3.6
Property Description:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Latitude: 42.97213960000001
Longitude: -85.68820900000003
HCM label: Address Matching-House Number
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: North American Datum of 1983
ACRES property ID: 102902
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 3000
Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding: 500000
Redev. funding source: Local Funding
Redev. funding entity name: Tax Increment Financing
Redevelopment start date: Not reported
Assessment funding entity: EPA
Cleanup funding entity: Not reported
Grant type: H
Accomplishment type: Phase I Environmental Assessment
Accomplishment count: 1
Cooperative agreement #: 00E60701
Ownership entity: Private
Current owner: Not reported
Did owner change: Y
Cleanup required: Yes
Video available: No
Photo available: Yes
Institutional controls required: N
IC Category proprietary controls: Not reported
IC cat. info. devices: Not reported
IC cat. gov. controls: Not reported
IC cat. enforcement permit tools: Not reported
IC in place date: Not reported
IC in place: Not reported
State/tribal program date: Not reported
State/tribal program ID: Not reported
State/tribal NFA date: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Y
Groundwater cleaned: Not reported
Lead contaminant found: Y
Lead cleaned up: Not reported
No media affected: Not reported
Unknown media affected: Not reported
Other cleaned up: Not reported
Other metals found: Y
Other metals cleaned: Not reported

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	65
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	.5
Future use industrial acreage:	3.1
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Past Use:	Multistory	Not reported
Recipient name:	Grand Rapids, City of	
Grant type:	Assessment	
Property name:	FORMER MILLER PRODUCTS PROPERTY	
Property #:	41-13-24-357-005, 41-13-24-361-027, 41-13-24-378-003, 41-13-24-337-004	
Parcel size:	3.6	
Property Description:	Not reported	
Latitude:	42.97213960000001	
Longitude:	-85.68820900000003	
HCM label:	Address Matching-House Number	
Map scale:	Not reported	
Point of reference:	Center of a Facility or Station	
Datum:	North American Datum of 1983	
ACRES property ID:	102902	
Start date:	Not reported	
Completed date:	Not reported	
Acres cleaned up:	Not reported	
Cleanup funding:	Not reported	
Cleanup funding source:	Not reported	
Assessment funding:	3000	
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement	
Redevelopment funding:	1000000	
Redev. funding source:	Private/Other Funding	
Redev. funding entity name:	Developer	
Redevelopment start date:	Not reported	
Assessment funding entity:	EPA	
Cleanup funding entity:	Not reported	
Grant type:	H	
Accomplishment type:	Phase I Environmental Assessment	
Accomplishment count:	1	
Cooperative agreement #:	00E60701	
Ownership entity:	Private	
Current owner:	Not reported	
Did owner change:	Y	
Cleanup required:	Yes	
Video available:	No	
Photo available:	Yes	
Institutional controls required:	N	
IC Category proprietary controls:	Not reported	
IC cat. info. devices:	Not reported	
IC cat. gov. controls:	Not reported	
IC cat. enforcement permit tools:	Not reported	
IC in place date:	Not reported	
IC in place:	Not reported	
State/tribal program date:	Not reported	
State/tribal program ID:	Not reported	
State/tribal NFA date:	Not reported	
Air contaminated:	Not reported	
Air cleaned:	Not reported	
Asbestos found:	Not reported	
Asbestos cleaned:	Not reported	
Controlled substance found:	Not reported	
Controlled substance cleaned:	Not reported	
Drinking water affected:	Not reported	
Drinking water cleaned:	Not reported	
Groundwater affected:	Y	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	65
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	.5
Future use industrial acreage:	3.1
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Y
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER MILLER PRODUCTS PROPERTY (Continued)

1012296585

SVOCs contaminant found: Not reported
Unknown contaminant found: Not reported
Future Use: Multistory Not reported
Media affected Bluiding Material: Not reported
Media affected indoor air: Not reported
Building material media cleaned up: Not reported
Indoor air media cleaned up: Not reported
Unknown media cleaned up: Not reported
Past Use: Multistory Not reported

M49
SE
1/4-1/2
0.443 mi.
2338 ft.

614 FIRST STREET PARTNERS LLC
601 1ST ST NW
GRAND RAPIDS, MI 49504
Site 2 of 7 in cluster M

RCRA-CESQG
BEA
1000280605
MID000724864

Relative:
Higher

RCRA-CESQG:

Actual:
621 ft.

Date form received by agency: 10/26/2012
Facility name: 614 FIRST STREET PARTNERS LLC
Facility address: 601 1ST ST NW
GRAND RAPIDS, MI 49504
EPA ID: MID000724864
Contact: GEORGE COLVIN
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (616) 285-6933
Contact email: GCOLVIN@ROCKFORDCONSTRUCTION.COM
EPA Region: 05
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: 614 FIRST STREET PARTNERS LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/12/2011
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

614 FIRST STREET PARTNERS LLC (Continued)

1000280605

Owner/operator name: ROCKFORD CONSTRUCTION COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/12/2011
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 12/16/2011
Site name: MILLER PRODUCTS LLC
Classification: Not a generator, verified

Date form received by agency: 03/01/2008
Site name: MILLER PRODUCTS LLC
Classification: Large Quantity Generator

Date form received by agency: 03/01/2008
Site name: MILLER PRODUCTS LLC
Classification: Large Quantity Generator

Date form received by agency: 03/01/2006
Site name: MILLER PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 02/23/2006
Site name: MILLER PRODUCTS LLC
Classification: Large Quantity Generator

Date form received by agency: 03/01/2004
Site name: MILLER PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 02/25/2004
Site name: MILLER PRODUCTS LLC
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

614 FIRST STREET PARTNERS LLC (Continued)

1000280605

Date form received by agency: 03/01/2002
Site name: MILLER PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 02/16/2000
Site name: MILLER PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 01/23/1998
Site name: MILLER PRODUCTS, INC.
Classification: Large Quantity Generator

Date form received by agency: 02/27/1996
Site name: MILLER METAL PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 11/22/1995
Site name: MILLER PRODUCTS LLC
Classification: Large Quantity Generator

Date form received by agency: 02/17/1994
Site name: MILLER METAL PRODUCTS
Classification: Large Quantity Generator

Date form received by agency: 02/19/1992
Site name: MILLER METAL PRODUCTS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 05/31/1990
Site name: MILLER METAL PRODUCTS CORPORATION
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

614 FIRST STREET PARTNERS LLC (Continued)

1000280605

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

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Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 06/15/2007
Date achieved compliance: 07/02/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 06/15/2007
Date achieved compliance: 07/02/2007
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

614 FIRST STREET PARTNERS LLC (Continued)

1000280605

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 03/07/2001
Date achieved compliance: 04/02/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/07/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/25/1997
Date achieved compliance: 01/21/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/25/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 09/25/1997
Date achieved compliance: 01/21/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/25/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/25/1997
Date achieved compliance: 01/21/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/25/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

614 FIRST STREET PARTNERS LLC (Continued)

1000280605

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/27/1994
Date achieved compliance: 07/19/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/04/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 04/27/1994
Date achieved compliance: 07/19/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/04/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 04/27/1994
Date achieved compliance: 07/19/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/04/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/08/1990
Date achieved compliance: 07/19/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/15/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

614 FIRST STREET PARTNERS LLC (Continued)

1000280605

Area of violation: Generators - General
Date violation determined: 08/25/1987
Date achieved compliance: 12/18/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/28/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 10/29/2010
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/13/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 07/02/2007
Evaluation lead agency: State

Evaluation date: 06/13/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 07/02/2007
Evaluation lead agency: State

Evaluation date: 09/24/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/30/2001
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/27/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 04/02/2001
Evaluation lead agency: State

Evaluation date: 01/21/1998
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - Pre-transport
Date achieved compliance: 01/21/1998
Evaluation lead agency: State

Evaluation date: 01/21/1998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

614 FIRST STREET PARTNERS LLC (Continued)

1000280605

Evaluation:	FOLLOW-UP INSPECTION
Area of violation:	LDR - General
Date achieved compliance:	01/21/1998
Evaluation lead agency:	State
Evaluation date:	01/21/1998
Evaluation:	FOLLOW-UP INSPECTION
Area of violation:	Generators - General
Date achieved compliance:	01/21/1998
Evaluation lead agency:	State
Evaluation date:	09/15/1997
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Pre-transport
Date achieved compliance:	01/21/1998
Evaluation lead agency:	State
Evaluation date:	09/15/1997
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	01/21/1998
Evaluation lead agency:	State
Evaluation date:	09/15/1997
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	01/21/1998
Evaluation lead agency:	State
Evaluation date:	07/14/1994
Evaluation:	FOLLOW-UP INSPECTION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	04/27/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	07/19/1994
Evaluation lead agency:	State
Evaluation date:	04/27/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Manifest
Date achieved compliance:	07/19/1994
Evaluation lead agency:	State
Evaluation date:	04/27/1994
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	07/19/1994
Evaluation lead agency:	State
Evaluation date:	05/08/1990
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	07/19/1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

614 FIRST STREET PARTNERS LLC (Continued)

1000280605

Evaluation lead agency: State

Evaluation date: 12/07/1987
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/25/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/18/1987
Evaluation lead agency: State

Evaluation date: 03/20/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/17/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

BEA:

Secondary Address: Not reported
BEA Number: 296
District: Grand Rapids
Date Received: 11/13/1997
Submitter Name: Pioneer Investment, L.L.C.
Petition Determination: No Request
Petition Disclosure: 0
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: moyerr
Division Assigned: Environmental Response Division

**M50
SE
1/4-1/2
0.443 mi.
2338 ft.**

**601, 614 1ST ST/520 2ND ST/501 ALABAMA
601 & 614 1ST ST, 520 2ND ST NW &
GRAND RAPIDS, MI**

Site 3 of 7 in cluster M

**BEA S110300782
N/A**

**Relative:
Higher**

BEA:

**Actual:
621 ft.**

Secondary Address: 501 Alabama Avenue NW
BEA Number: 2680
District: Grand Rapids
Date Received: 03/11/2010
Submitter Name: Comerica Bank
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: henderas
Division Assigned: Environmental Response Division

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

M51
SE
1/4-1/2
0.443 mi.
2338 ft.
601 & 614 1ST ST/501 ALABAMA/520 2ND ST
601 & 614 1ST STREET & 501 ALABAMA AVE &
GRAND RAPIDS, MI 49504
Site 4 of 7 in cluster M

BEA **S111455217**
N/A

Relative:
Higher

BEA:

Secondary Address: 520 2nd Street NW
BEA Number: 3060
District: Grand Rapids
Date Received: 12/06/2011
Submitter Name: 614 First Street Partners LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: henderas
Division Assigned: RD

Actual:
621 ft.

M52
SE
1/4-1/2
0.443 mi.
2338 ft.
601 FIRST STREET NW
601 FIRST STREET NW
GRAND RAPIDS, MI
Site 5 of 7 in cluster M

BEA **S111134664**
N/A

Relative:
Higher

BEA:

Secondary Address: Not reported
BEA Number: 1869
District: Grand Rapids
Date Received: 06/14/2006
Submitter Name: TMB Industries
Petition Determination: No Request
Petition Disclosure: 0
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: pearsons
Division Assigned: Environmental Response Division

Actual:
621 ft.

Secondary Address: Not reported
BEA Number: 60
District: Grand Rapids
Date Received: 02/15/1996
Submitter Name: Miller Products, Inc.
Petition Determination: No Request
Petition Disclosure: 0
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: moyerr
Division Assigned: Environmental Response Division

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

N53	MERCANTILE BANK PROPERTIES	US BROWNFIELDS	1012297135
SSE	420 AND 430 STOCKING AVENUE, 424, 428, 431, 436, AND 437 LEX		N/A
1/4-1/2	GRAND RAPIDS, MI 49504		
0.468 mi.			
2472 ft.	Site 1 of 3 in cluster N		
Relative:	US BROWNFIELDS:		
Higher	Recipient name:	Grand Rapids, City of	
	Grant type:	Assessment	
Actual:	Property name:	MERCANTILE BANK PROPERTIES	
615 ft.	Property #:	Not reported	
	Parcel size:	.75	
	Property Description:	The Property was developed for residential and commercial purposes as of 1888. A gasoline filling station and three gasoline tanks were situated on the southern portion of the Property from at least 1936 to 1953. Residential structures remained on the Property until at least 1986, when the residence at 431 Lexington Avenue was razed. Various restaurants occupied the Property from 1951 until 2008, when the Property was transferred to Mercantile Bank through foreclosure.	
	Latitude:	42.971596	
	Longitude:	-85.68450999999999	
	HCM label:	Address Matching-House Number	
	Map scale:	Not reported	
	Point of reference:	Center of a Facility or Station	
	Datum:	North American Datum of 1983	
	ACRES property ID:	105847	
	Start date:	Not reported	
	Completed date:	Not reported	
	Acres cleaned up:	Not reported	
	Cleanup funding:	Not reported	
	Cleanup funding source:	Not reported	
	Assessment funding:	4000	
	Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement	
	Redevelopment funding:	Not reported	
	Redev. funding source:	Not reported	
	Redev. funding entity name:	Not reported	
	Redevelopment start date:	Not reported	
	Assessment funding entity:	EPA	
	Cleanup funding entity:	Not reported	
	Grant type:	B	
	Accomplishment type:	Phase I Environmental Assessment	
	Accomplishment count:	0	
	Cooperative agreement #:	00E60701	
	Ownership entity:	Not reported	
	Current owner:	Not reported	
	Did owner change:	N	
	Cleanup required:	Yes	
	Video available:	No	
	Photo available:	Yes	
	Institutional controls required:	N	
	IC Category proprietary controls:	Not reported	
	IC cat. info. devices:	Not reported	
	IC cat. gov. controls:	Not reported	
	IC cat. enforcement permit tools:	Not reported	
	IC in place date:	Not reported	
	IC in place:	Not reported	
	State/tribal program date:	Not reported	
	State/tribal program ID:	Not reported	
	State/tribal NFA date:	Not reported	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MERCANTILE BANK PROPERTIES (Continued)

1012297135

Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contaminants found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	.75
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MERCANTILE BANK PROPERTIES (Continued)

1012297135

Cadmium contaminant found: Not reported
Chromium contaminant found: Not reported
Copper contaminant found: Not reported
Iron contaminant found: Not reported
Mercury contaminant found: Not reported
Nickel contaminant found: Not reported
No contaminant found: Not reported
Pesticides contaminant found: Not reported
Selenium contaminant found: Not reported
SVOCs contaminant found: Not reported
Unknown contaminant found: Not reported
Future Use: Multistory Not reported
Media affected Bluiding Material: Not reported
Media affected indoor air: Not reported
Building material media cleaned up: Not reported
Indoor air media cleaned up: Not reported
Unknown media cleaned up: Not reported
Past Use: Multistory Not reported

Recipient name: Grand Rapids, City of
Grant type: Assessment
Property name: MERCANTILE BANK PROPERTIES
Property #: Not reported
Parcel size: .75

Property Description: The Property was developed for residential and commercial purposes as of 1888. A gasoline filling station and three gasoline tanks were situated on the southern portion of the Property from at least 1936 to 1953. Residential structures remained on the Property until at least 1986, when the residence at 431 Lexington Avenue was razed. Various restaurants occupied the Property from 1951 until 2008, when the Property was transferred to Mercantile Bank through foreclosure.

Latitude: 42.971596
Longitude: -85.68450999999999
HCM label: Address Matching-House Number
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: North American Datum of 1983
ACRES property ID: 105847
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 3960
Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding: Not reported
Redev. funding source: Not reported
Redev. funding entity name: Not reported
Redevelopment start date: Not reported
Assessment funding entity: EPA
Cleanup funding entity: Not reported
Grant type: B
Accomplishment type: Supplemental Assessment
Accomplishment count: 0
Cooperative agreement #: 00E60701
Ownership entity: Not reported
Current owner: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MERCANTILE BANK PROPERTIES (Continued)

1012297135

Did owner change:	N
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	.75
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MERCANTILE BANK PROPERTIES (Continued)

1012297135

Superfund Fed. landowner flag: Not reported
Arsenic cleaned up: Not reported
Cadmium cleaned up: Not reported
Chromium cleaned up: Not reported
Copper cleaned up: Not reported
Iron cleaned up: Not reported
mercury cleaned up: Not reported
nickel cleaned up: Not reported
No clean up: Not reported
Pesticides cleaned up: Not reported
Selenium cleaned up: Not reported
SVOCs cleaned up: Not reported
Unknown clean up: Not reported
Arsenic contaminant found: Not reported
Cadmium contaminant found: Not reported
Chromium contaminant found: Not reported
Copper contaminant found: Not reported
Iron contaminant found: Not reported
Mercury contaminant found: Not reported
Nickel contaminant found: Not reported
No contaminant found: Not reported
Pesticides contaminant found: Not reported
Selenium contaminant found: Not reported
SVOCs contaminant found: Not reported
Unknown contaminant found: Not reported
Future Use: Multistory Not reported
Media affected Bluiding Material: Not reported
Media affected indoor air: Not reported
Building material media cleaned up: Not reported
Indoor air media cleaned up: Not reported
Unknown media cleaned up: Not reported
Past Use: Multistory Not reported

Recipient name: Grand Rapids, City of
Grant type: Assessment
Property name: MERCANTILE BANK PROPERTIES
Property #: Not reported
Parcel size: .75

Property Description: The Property was developed for residential and commercial purposes as of 1888. A gasoline filling station and three gasoline tanks were situated on the southern portion of the Property from at least 1936 to 1953. Residential structures remained on the Property until at least 1986, when the residence at 431 Lexington Avenue was razed. Various restaurants occupied the Property from 1951 until 2008, when the Property was transferred to Mercantile Bank through foreclosure.

Latitude: 42.971596
Longitude: -85.68450999999999
HCM label: Address Matching-House Number
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: North American Datum of 1983
ACRES property ID: 105847
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MERCANTILE BANK PROPERTIES (Continued)

1012297135

Assessment funding:	2675
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	200000
Redev. funding source:	Local Funding
Redev. funding entity name:	Tax Incentives
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	B
Accomplishment type:	Phase I Environmental Assessment
Accomplishment count:	1
Cooperative agreement #:	00E60801
Ownership entity:	Not reported
Current owner:	Not reported
Did owner change:	N
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MERCANTILE BANK PROPERTIES (Continued)

1012297135

Surface water cleaned: Not reported
VOCs found: Y
VOCs cleaned: Not reported
Cleanup other description: Not reported
Num. of cleanup and re-dev. jobs: 30
Past use greenspace acreage: Not reported
Past use residential acreage: Not reported
Past use commercial acreage: Not reported
Past use industrial acreage: Not reported
Future use greenspace acreage: Not reported
Future use residential acreage: Not reported
Future use commercial acreage: .75
Future use industrial acreage: Not reported
Greenspace acreage and type: Not reported
Superfund Fed. landowner flag: Not reported
Arsenic cleaned up: Not reported
Cadmium cleaned up: Not reported
Chromium cleaned up: Not reported
Copper cleaned up: Not reported
Iron cleaned up: Not reported
mercury cleaned up: Not reported
nickel cleaned up: Not reported
No clean up: Not reported
Pesticides cleaned up: Not reported
Selenium cleaned up: Not reported
SVOCs cleaned up: Not reported
Unknown clean up: Not reported
Arsenic contaminant found: Not reported
Cadmium contaminant found: Not reported
Chromium contaminant found: Not reported
Copper contaminant found: Not reported
Iron contaminant found: Not reported
Mercury contaminant found: Not reported
Nickel contaminant found: Not reported
No contaminant found: Not reported
Pesticides contaminant found: Not reported
Selenium contaminant found: Not reported
SVOCs contaminant found: Not reported
Unknown contaminant found: Not reported
Future Use: Multistory Not reported
Media affected Bluiding Material: Not reported
Media affected indoor air: Not reported
Building material media cleaned up: Not reported
Indoor air media cleaned up: Not reported
Unknown media cleaned up: Not reported
Past Use: Multistory Not reported

Recipient name: Grand Rapids, City of
Grant type: Assessment
Property name: MERCANTILE BANK PROPERTIES
Property #: Not reported
Parcel size: .75
Property Description: The Property was developed for residential and commercial purposes as of 1888. A gasoline filling station and three gasoline tanks were situated on the southern portion of the Property from at least 1936 to 1953. Residential structures remained on the Property until at least 1986, when the residence at 431 Lexington Avenue was razed.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MERCANTILE BANK PROPERTIES (Continued)

1012297135

Various restaurants occupied the Property from 1951 until 2008, when the Property was transferred to Mercantile Bank through foreclosure.

Latitude: 42.971596
Longitude: -85.68450999999999
HCM label: Address Matching-House Number
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: North American Datum of 1983
ACRES property ID: 105847
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 2675
Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding: 500000
Redev. funding source: Private/Other Funding
Redev. funding entity name: Developer
Redevelopment start date: Not reported
Assessment funding entity: EPA
Cleanup funding entity: Not reported
Grant type: B
Accomplishment type: Phase I Environmental Assessment
Accomplishment count: 1
Cooperative agreement #: 00E60801
Ownership entity: Not reported
Current owner: Not reported
Did owner change: N
Cleanup required: Yes
Video available: No
Photo available: Yes
Institutional controls required: N
IC Category proprietary controls: Not reported
IC cat. info. devices: Not reported
IC cat. gov. controls: Not reported
IC cat. enforcement permit tools: Not reported
IC in place date: Not reported
IC in place: Not reported
State/tribal program date: Not reported
State/tribal program ID: Not reported
State/tribal NFA date: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Y
Groundwater cleaned: Not reported
Lead contaminant found: Y
Lead cleaned up: Not reported
No media affected: Not reported
Unknown media affected: Not reported
Other cleaned up: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MERCANTILE BANK PROPERTIES (Continued)

1012297135

Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	30
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	.75
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MERCANTILE BANK PROPERTIES (Continued)

1012297135

Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Recipient name:	Grand Rapids, City of
Grant type:	Assessment
Property name:	MERCANTILE BANK PROPERTIES
Property #:	Not reported
Parcel size:	.75
Property Description:	The Property was developed for residential and commercial purposes as of 1888. A gasoline filling station and three gasoline tanks were situated on the southern portion of the Property from at least 1936 to 1953. Residential structures remained on the Property until at least 1986, when the residence at 431 Lexington Avenue was razed. Various restaurants occupied the Property from 1951 until 2008, when the Property was transferred to Mercantile Bank through foreclosure.
Latitude:	42.971596
Longitude:	-85.68450999999999
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Center of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	105847
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	36627
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	200000
Redev. funding source:	Local Funding
Redev. funding entity name:	Tax Incentives
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	B
Accomplishment type:	Phase II Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E60801
Ownership entity:	Not reported
Current owner:	Not reported
Did owner change:	N
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MERCANTILE BANK PROPERTIES (Continued)

1012297135

Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contaminants found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	30
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	.75
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MERCANTILE BANK PROPERTIES (Continued)

1012297135

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Recipient name:	Grand Rapids, City of
Grant type:	Assessment
Property name:	MERCANTILE BANK PROPERTIES
Property #:	Not reported
Parcel size:	.75
Property Description:	The Property was developed for residential and commercial purposes as of 1888. A gasoline filling station and three gasoline tanks were situated on the southern portion of the Property from at least 1936 to 1953. Residential structures remained on the Property until at least 1986, when the residence at 431 Lexington Avenue was razed. Various restaurants occupied the Property from 1951 until 2008, when the Property was transferred to Mercantile Bank through foreclosure.
Latitude:	42.971596
Longitude:	-85.68450999999999
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Center of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	105847
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	36627
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	500000
Redev. funding source:	Private/Other Funding
Redev. funding entity name:	Developer
Redevelopment start date:	Not reported
Assessment funding entity:	EPA
Cleanup funding entity:	Not reported
Grant type:	B
Accomplishment type:	Phase II Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E60801
Ownership entity:	Not reported
Current owner:	Not reported
Did owner change:	N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MERCANTILE BANK PROPERTIES (Continued)

1012297135

Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contaminants found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	30
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	.75
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MERCANTILE BANK PROPERTIES (Continued)

1012297135

Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported

54
NNE
1/4-1/2
0.469 mi.
2477 ft.

AMOCO STATION
1152 ELIZABETH AVENUE NW
GRAND RAPIDS, MI 49504

AUL S117057694
N/A

Relative:
Lower

AUL:

Actual:
610 ft.

Status:	Pending
Site Name:	Not reported
Property:	off-site
Land Use Restriction Type:	RC
Program Type:	Part 213
Program Support Assigned User:	Not reported
Program Support Assigned Date:	Not reported
Legal Description Of Property:	Not reported
Based On The Deq Ref #:	11121314172
MDEQ Reference Number:	RC-RRD-213-14-172
Property Or Description Restricted Area:	Not reported
Lead Division:	RD
File Name Of Hyperlinked Legal Doc:	Not reported
Mapped Polygons Area In Acres:	Not reported
Mapped Polygons Area In Square Miles:	Not reported
Date Data Entry Started:	Not reported
Date Data Entry Finished:	Not reported
Individual Or Staff Assoc With The Mapping:	Not reported
Program Used To Map Restricted Features:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMOCO STATION (Continued)

S117057694

Date Legal Paperwork Stamped/Filed/Register Of Deeds: Not reported
Commercial I Land Use Restriction: 0
Commercial Ii Land Use Restriction: 0
Commercial Iii Land Use Restriction: 0
Commercial Iv Land Use Restriction: 0
Industrial Land Use Restriction: 0
Residential Land Use Restriction: 0
Recreational Land Use Restriction: 0
Multiple Land-Use Restrictions: 0
Site Specific Restrictions: 0
Groundwater Consumption Restrictions: 0
Groundwater Contact Restrictions: 0
Special Well Construction Requirements: 0
Special Building Restrictions: 0
Excavation And Soil Movement Restrictions: 0
Soil Movement Requirements: 0
There Is A Restriction On All Construction: 0
Monitoring Well Protected, No Tampering Or Removal: 0
There Is An Exposure Barrier In Place: 0
There Is A Health And Safety Plan: 0
There Is A Permanent Marker On The Site: 0
Map Comments: Not reported
Comment: August 19, 2014 consultant requested DEQ reference #.

O55
North
1/4-1/2
0.472 mi.
2490 ft.

EQUILON ENTERPRISES LLC
747 LEONARD ST NW
GRAND RAPIDS, MI 49504

INVENTORY **S111952876**
WDS **N/A**

Site 1 of 2 in cluster O

Relative:
Lower

INVENTORY:

Bea Number: Not reported
Township: Not reported
District: Grand Rapids
Data Source: Part 213
Latitude: 42.98578
Longitude: -85.68776

Actual:
614 ft.

WDS:

Site Id: MIG000041673
WMD Id: 426856
Site Specific Name: EQUILON ENTERPRISES
Mailing Address: 747 LEONARD ST NW
Mailing City/State/Zip: 49504
Mailing County: KENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

M56 SSE 1/4-1/2 0.472 mi. 2491 ft.	601, 614 1ST ST/520 2ND ST/501 ALABAMA 601 & 614 1ST ST, 520 2ND ST NW & 501 ALABAMA AVENUE NW KENT (County), MI Site 6 of 7 in cluster M	INVENTORY	S114026283 N/A
---	--	------------------	---------------------------------

Relative: Higher	INVENTORY:
	Bea Number: 201002680GR
	Township: Grand Rapids
	District: Grand Rapids
Actual: 617 ft.	Data Source: BEA
	Latitude: 42.97214
	Longitude: -85.68274

M57 SE 1/4-1/2 0.472 mi. 2491 ft.	500 & 502 2ND STREET NW 500 & 502 2ND STREET NW GRAND RAPIDS, MI Site 7 of 7 in cluster M	INVENTORY BEA	S109569498 N/A
--	--	--------------------------------	---------------------------------

Relative: Higher	INVENTORY:
	Bea Number: Not reported
	Township: Grand Rapids
	District: Grand Rapids
Actual: 619 ft.	Data Source: Part 201
	Latitude: 42.97251
	Longitude: -85.68198

BEA:

Secondary Address:	Not reported
BEA Number:	2490
District:	Grand Rapids
Date Received:	05/14/2009
Submitter Name:	1 to 3.org LLC
Petition Determination:	No Request
Petition Disclosure:	0
Category:	No Hazardous Substance(s)
Determination 20107A:	No Request
Reviewer:	pawlosj2
Division Assigned:	Environmental Response Division

O58 North 1/4-1/2 0.473 mi. 2498 ft.	CITY OF GRAND RAPIDS ROW 800 LEONARD ST NW GRAND RAPIDS, MI 49504 Site 2 of 2 in cluster O	LUST UST WDS	U002301774 N/A
---	---	---	---------------------------------

Relative: Higher	LUST:
	Facility ID: 00036405
	Source: STATE OF MICHIGAN
Actual: 615 ft.	Owner Name: Mr Steve Kishkorn
	Owner Address: PO Box 141426
	Owner City,St,Zip: Grand Rapids, MI 49514-1426
	Owner Contact: Not reported
	Owner Phone: (616) 453-5034
	Country: USA
	District: Grand Rapids District Office
	Site Name: Walgreens

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF GRAND RAPIDS ROW (Continued)

U002301774

Latitude: 42.98511
Longitude: -85.68813
Date of Collection: 01/11/2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0674-92
Release Date: 04/27/1992
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 11/09/1992

Leak Number: C-0821-94
Release Date: 08/02/1994
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: 03/31/1995

UST:

Facility ID: 00038187
Facility Type: CLOSED
Owner Name: CITY OF GRAND RAPIDS DDA
Owner Address: 300 MONROE NW 9TH FLOOR
Owner City,St,Zip: GRAND RAPIDS, MI 49503
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 456-3034
Contact: BILL COLE
Contact Phone: (616) 456-3060
Date of Collection: 01/11/2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number
Latitude: 42.98511
Longitude: -85.68813

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 560
Product: Gasoline
Install Date: Not reported
Remove Date: 08/02/1994
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF GRAND RAPIDS ROW (Continued)

U002301774

Tank ID: 1
Tank Status: **Removed from Ground**
Capacity: 1000
Product: Gasoline
Install Date: Not reported
Remove Date: 04/30/1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Construction Material: Not reported
Impressed Device: No

Tank ID: 2
Tank Status: **Removed from Ground**
Capacity: 1000
Product: Gasoline
Install Date: Not reported
Remove Date: 04/30/1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Construction Material: Not reported
Impressed Device: No

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 1000
Product: Gasoline
Install Date: Not reported
Remove Date: 04/30/1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Not reported
Piping Type: Not reported
Construction Material: Not reported
Impressed Device: No

WDS:
Site Id: MI0000692129
WMD Id: 391333
Site Specific Name: CITY OF GRAND RAPIDS LEONARD ST RIGHT OF WAY
Mailing Address: 300 MONROE AVE NW
Mailing City/State/Zip: 49503
Mailing County: KENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

P59
NNW
1/4-1/2
0.484 mi.
2558 ft.
JACK'S SERVICE CENTER
850 LEONARD ST NW
GRAND RAPIDS, MI 49504
Site 1 of 2 in cluster P

INVENTORY
LUST
UST
WDS
U003328781
N/A

Relative:
Higher

INVENTORY:

Bea Number: Not reported
Township: Not reported
District: Grand Rapids
Data Source: Part 213
Latitude: 42.98506
Longitude: -85.69017

Actual:
616 ft.

LUST:

Facility ID: 00016860
Source: STATE OF MICHIGAN
Owner Name: Jack's Serv Ctr
Owner Address: 850 Leonard St NW
Owner City,St,Zip: Grand Rapids, MI 49504-4155
Owner Contact: Not reported
Owner Phone: (615) 459-0975
Country: USA
District: Grand Rapids District Office
Site Name: Jack's Service Center
Latitude: 42.98459
Longitude: -85.69056
Date of Collection: 02/19/2002
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0193-02
Release Date: 04/17/2002
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-0461-03
Release Date: 11/06/2003
Substance Released: Used Oil
Release Status: Closed
Release Closed Date: 02/10/2004

UST:

Facility ID: 00016860
Facility Type: ACTIVE
Owner Name: JACK'S SERV CTR
Owner Address: 850 LEONARD ST NW
Owner City,St,Zip: GRAND RAPIDS, MI 49504-4155
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (615) 459-0975
Contact: Jack C Wielhouwer
Contact Phone: (616) 459-0925
Date of Collection: 02/19/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JACK'S SERVICE CENTER (Continued)

U003328781

Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Latitude: 42.98459
Longitude: -85.69056

Tank ID: 1
Tank Status: **Currently In Use**
Capacity: 8000
Product: Gasoline
Install Date: 04/22/1984
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Construction Material: Cathodically Protected Steel, Epoxy Coated Steel
Impressed Device: Yes

Tank ID: 2
Tank Status: **Currently In Use**
Capacity: 4000
Product: Gasoline
Install Date: 04/22/1984
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Construction Material: Cathodically Protected Steel, Epoxy Coated Steel
Impressed Device: Yes

Tank ID: 3
Tank Status: **Removed from Ground**
Capacity: 8000
Product: Gasoline
Install Date: 04/22/1969
Remove Date: 11/05/2003
Tank Release Detection: Automatic Tank Gauging
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: Yes

Tank ID: 4
Tank Status: **Removed from Ground**
Capacity: 500
Product: Used Oil
Install Date: 04/22/1978

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JACK'S SERVICE CENTER (Continued)

U003328781

Remove Date: 11/06/2003
Tank Release Detection: Inventory Control,Manual Tank Gauging
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Gravity Fed?
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: Yes

Tank ID: 5
Tank Status: Currently In Use
Capacity: 45
Product: OIL
Install Date: 04/22/1978
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Currently In Use
Capacity: 45
Product: OIL
Install Date: 04/22/1978
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 7
Tank Status: Currently In Use
Capacity: 35
Product: OIL
Install Date: 04/22/1974
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 8
Tank Status: Currently In Use
Capacity: 35
Product: OIL
Install Date: 04/22/1974
Remove Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JACK'S SERVICE CENTER (Continued)

U003328781

Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Construction Material: Asphalt Coated or Bare Steel
Impressed Device: No

WDS:

Site Id: MIG000007258
WMD Id: 458048
Site Specific Name: AMOCO OIL CO
Mailing Address: 850 LEONARD ST NW
Mailing City/State/Zip: 49504
Mailing County: KENT

60
SSE
1/4-1/2
0.485 mi.
2560 ft.

1ST STREET N.W., 601
601 1ST STREET NW
GRAND RAPIDS, MI 49504

INVENTORY S114026282
N/A

Relative:
Higher

INVENTORY:

Bea Number: Not reported
Township: Grand Rapids
District: Grand Rapids
Data Source: Part 201
Latitude: 42.97214
Longitude: -85.68274

Actual:
617 ft.

Q61
NNE
1/4-1/2
0.485 mi.
2562 ft.

667 LEONARD STREET NW
667 LEONARD STREET NW
KENT (County), MI 49504

INVENTORY S114029521
N/A

Site 1 of 3 in cluster Q

Relative:
Lower

INVENTORY:

Bea Number: 201002732GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Actual:
613 ft.

Q62
NNE
1/4-1/2
0.485 mi.
2562 ft.

667 LEONARD STREET NW
667 LEONARD STREET NW
GRAND RAPIDS, MI 49504

BEA S110482869
N/A

Site 2 of 3 in cluster Q

Relative:
Lower

BEA:

Secondary Address: Not reported
BEA Number: 2732
District: Grand Rapids
Date Received: 05/27/2010

Actual:
613 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

667 LEONARD STREET NW (Continued)

S110482869

Submitter Name: 3R Foods Inc
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: austina
Division Assigned: Storage Tank Division

N63
SSE
1/4-1/2
0.486 mi.
2566 ft.
SPUR GAS STATION
420 STOCKING ST
GRAND RAPIDS, MI 49505

CERC-NFRAP **1003871685**
MID981094824

Site 2 of 3 in cluster N

Relative:
Higher

CERC-NFRAP:
Site ID: 0503382
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:
615 ft.

Program Priority:
Description: Great Lakes

CERCLIS-NFRAP Assessment History:

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 07/29/86
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 07/29/86
Priority Level: Not reported

Action: DISCOVERY
Date Started: / /
Date Completed: 06/30/85
Priority Level: Not reported

Q64
NNE
1/4-1/2
0.489 mi.
2582 ft.
RALPH'S MARKET
655-667 LEONARD STREET NW
GRAND RAPIDS, MI 49504

US BROWNFIELDS **1016356765**
FINDS **N/A**

Site 3 of 3 in cluster Q

Relative:
Lower

US BROWNFIELDS:
Recipient name: Grand Rapids, City of
Grant type: Assessment
Property name: RALPH'S MARKET
Property #: Not reported
Parcel size: 1
Property Description: Not reported
Latitude: 42.985388
Longitude: -85.68526500000002
HCM label: Address Matching-House Number

Actual:
613 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPH'S MARKET (Continued)

1016356765

Map scale:	Not reported
Point of reference:	Entrance Point of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	107701
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	3800
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	178000
Redev. funding source:	Local Funding
Redev. funding entity name:	Grand Rapids
Redevelopment start date:	Not reported
Assessment funding entity:	Not reported
Cleanup funding entity:	Not reported
Grant type:	P
Accomplishment type:	Phase I Environmental Assessment
Accomplishment count:	1
Cooperative agreement #:	00E60801
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	N
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	No
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPH'S MARKET (Continued)

1016356765

PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	15
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported

Recipient name: Grand Rapids, City of

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPH'S MARKET (Continued)

1016356765

Grant type:	Assessment
Property name:	RALPH'S MARKET
Property #:	Not reported
Parcel size:	1
Property Description:	Not reported
Latitude:	42.985388
Longitude:	-85.68526500000002
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Entrance Point of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	107701
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	3800
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	2600000
Redev. funding source:	Private/Other Funding
Redev. funding entity name:	Ralph's Market
Redevelopment start date:	Not reported
Assessment funding entity:	Not reported
Cleanup funding entity:	Not reported
Grant type:	P
Accomplishment type:	Phase I Environmental Assessment
Accomplishment count:	1
Cooperative agreement #:	00E60801
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	N
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	No
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported

Map ID
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Database(s)

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RALPH'S MARKET (Continued)

1016356765

No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	15
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
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RALPH'S MARKET (Continued)

1016356765

Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Recipient name:	Grand Rapids, City of
Grant type:	Assessment
Property name:	RALPH'S MARKET
Property #:	Not reported
Parcel size:	1
Property Description:	Not reported
Latitude:	42.985388
Longitude:	-85.68526500000002
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Entrance Point of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	107701
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	4000
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	178000
Redev. funding source:	Local Funding
Redev. funding entity name:	Grand Rapids
Redevelopment start date:	Not reported
Assessment funding entity:	Not reported
Cleanup funding entity:	Not reported
Grant type:	P
Accomplishment type:	Cleanup Planning
Accomplishment count:	0
Cooperative agreement #:	00E60801
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	N
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	No
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

RALPH'S MARKET (Continued)

1016356765

Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	15
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported

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Database(s)

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RALPH'S MARKET (Continued)

1016356765

Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Recipient name:	Grand Rapids, City of
Grant type:	Assessment
Property name:	RALPH'S MARKET
Property #:	Not reported
Parcel size:	1
Property Description:	Not reported
Latitude:	42.985388
Longitude:	-85.68526500000002
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Entrance Point of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	107701
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	4000
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	2600000
Redev. funding source:	Private/Other Funding
Redev. funding entity name:	Ralph's Market
Redevelopment start date:	Not reported
Assessment funding entity:	Not reported
Cleanup funding entity:	Not reported
Grant type:	P
Accomplishment type:	Cleanup Planning
Accomplishment count:	0
Cooperative agreement #:	00E60801
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	N
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported

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MAP FINDINGS

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Database(s)

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RALPH'S MARKET (Continued)

1016356765

IC in place:	No
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contaminants found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	15
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported

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MAP FINDINGS

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RALPH'S MARKET (Continued)

1016356765

Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Recipient name:	Grand Rapids, City of
Grant type:	Assessment
Property name:	RALPH'S MARKET
Property #:	Not reported
Parcel size:	1
Property Description:	Not reported
Latitude:	42.985388
Longitude:	-85.68526500000002
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Entrance Point of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	107701
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	4000
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	325000
Redev. funding source:	State/Tribal Funding (non-section 128(a))
Redev. funding entity name:	MEDC
Redevelopment start date:	Not reported
Assessment funding entity:	Not reported
Cleanup funding entity:	Not reported
Grant type:	P
Accomplishment type:	Cleanup Planning
Accomplishment count:	0
Cooperative agreement #:	00E60801
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	N
Cleanup required:	Yes

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RALPH'S MARKET (Continued)

1016356765

Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	No
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	15
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported

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RALPH'S MARKET (Continued)

1016356765

Cadmium cleaned up: Not reported
Chromium cleaned up: Not reported
Copper cleaned up: Not reported
Iron cleaned up: Not reported
mercury cleaned up: Not reported
nickel cleaned up: Not reported
No clean up: Not reported
Pesticides cleaned up: Not reported
Selenium cleaned up: Not reported
SVOCs cleaned up: Not reported
Unknown clean up: Not reported
Arsenic contaminant found: Not reported
Cadmium contaminant found: Not reported
Chromium contaminant found: Not reported
Copper contaminant found: Not reported
Iron contaminant found: Not reported
Mercury contaminant found: Not reported
Nickel contaminant found: Not reported
No contaminant found: Not reported
Pesticides contaminant found: Not reported
Selenium contaminant found: Not reported
SVOCs contaminant found: Not reported
Unknown contaminant found: Not reported
Future Use: Multistory Not reported
Media affected Bluiding Material: Not reported
Media affected indoor air: Not reported
Building material media cleaned up: Not reported
Indoor air media cleaned up: Not reported
Unknown media cleaned up: Not reported
Past Use: Multistory Not reported

Recipient name: Grand Rapids, City of
Grant type: Assessment
Property name: RALPH'S MARKET
Property #: Not reported
Parcel size: 1
Property Description: Not reported
Latitude: 42.985388
Longitude: -85.68526500000002
HCM label: Address Matching-House Number
Map scale: Not reported
Point of reference: Entrance Point of a Facility or Station
Datum: North American Datum of 1983
ACRES property ID: 107701
Start date: Not reported
Completed date: Not reported
Acres cleaned up: Not reported
Cleanup funding: Not reported
Cleanup funding source: Not reported
Assessment funding: 12514
Assessment funding source: US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding: 178000
Redev. funding source: Local Funding
Redev. funding entity name: Grand Rapids
Redevelopment start date: Not reported
Assessment funding entity: Not reported
Cleanup funding entity: Not reported

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EDR ID Number
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RALPH'S MARKET (Continued)

1016356765

Grant type:	P
Accomplishment type:	Phase II Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E60801
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	N
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	No
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	15
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported

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Database(s)

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RALPH'S MARKET (Continued)

1016356765

Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Recipient name:	Grand Rapids, City of
Grant type:	Assessment
Property name:	RALPH'S MARKET
Property #:	Not reported
Parcel size:	1
Property Description:	Not reported
Latitude:	42.985388
Longitude:	-85.68526500000002
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Entrance Point of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	107701
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported

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RALPH'S MARKET (Continued)

1016356765

Assessment funding:	12514
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	2600000
Redev. funding source:	Private/Other Funding
Redev. funding entity name:	Ralph's Market
Redevelopment start date:	Not reported
Assessment funding entity:	Not reported
Cleanup funding entity:	Not reported
Grant type:	P
Accomplishment type:	Phase II Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E60801
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	N
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	No
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported

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Database(s)

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RALPH'S MARKET (Continued)

1016356765

Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	15
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Recipient name:	Grand Rapids, City of
Grant type:	Assessment
Property name:	RALPH'S MARKET
Property #:	Not reported
Parcel size:	1
Property Description:	Not reported
Latitude:	42.985388
Longitude:	-85.68526500000002
HCM label:	Address Matching-House Number
Map scale:	Not reported

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Database(s)

EDR ID Number
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RALPH'S MARKET (Continued)

1016356765

Point of reference:	Entrance Point of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	107701
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	12514
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	325000
Redev. funding source:	State/Tribal Funding (non-section 128(a))
Redev. funding entity name:	MEDC
Redevelopment start date:	Not reported
Assessment funding entity:	Not reported
Cleanup funding entity:	Not reported
Grant type:	P
Accomplishment type:	Phase II Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	00E60801
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	N
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	No
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPH'S MARKET (Continued)

1016356765

PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	15
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Recipient name:	Grand Rapids, City of
Grant type:	Assessment

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPH'S MARKET (Continued)

1016356765

Property name:	RALPH'S MARKET
Property #:	Not reported
Parcel size:	1
Property Description:	Not reported
Latitude:	42.985388
Longitude:	-85.68526500000002
HCM label:	Address Matching-House Number
Map scale:	Not reported
Point of reference:	Entrance Point of a Facility or Station
Datum:	North American Datum of 1983
ACRES property ID:	107701
Start date:	Not reported
Completed date:	Not reported
Acres cleaned up:	Not reported
Cleanup funding:	Not reported
Cleanup funding source:	Not reported
Assessment funding:	3800
Assessment funding source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment funding:	325000
Redev. funding source:	State/Tribal Funding (non-section 128(a))
Redev. funding entity name:	MEDC
Redevelopment start date:	Not reported
Assessment funding entity:	Not reported
Cleanup funding entity:	Not reported
Grant type:	P
Accomplishment type:	Phase I Environmental Assessment
Accomplishment count:	1
Cooperative agreement #:	00E60801
Ownership entity:	Private
Current owner:	Not reported
Did owner change:	N
Cleanup required:	Yes
Video available:	No
Photo available:	Yes
Institutional controls required:	N
IC Category proprietary controls:	Not reported
IC cat. info. devices:	Not reported
IC cat. gov. controls:	Not reported
IC cat. enforcement permit tools:	Not reported
IC in place date:	Not reported
IC in place:	No
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controlled substance found:	Not reported
Controlled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPH'S MARKET (Continued)

1016356765

Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	15
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
nickel cleaned up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RALPH'S MARKET (Continued)

1016356765

Media affected indoor air: Not reported
Building material media cleaned up: Not reported
Indoor air media cleaned up: Not reported
Unknown media cleaned up: Not reported
Past Use: Multistory Not reported

FINDS:

Registry ID: 110042300113

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)
is an federal online database for Brownfields Grantees to
electronically submit data directly to EPA.

P65
NNW
1/4-1/2
0.497 mi.
2626 ft.

900 LEONARD STREET NW
900 LEONARD STREET NW
KENT (County), MI 49503

INVENTORY

S114026346
N/A

Site 2 of 2 in cluster P

Relative:
Higher

INVENTORY:

Bea Number: 200601962GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Actual:
616 ft.

Bea Number: 201102883GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: Not reported
Longitude: Not reported

Bea Number: 200702113GR
Township: Grand Rapids
District: Grand Rapids
Data Source: BEA
Latitude: 42.985
Longitude: -85.69083

N66
SSE
1/4-1/2
0.500 mi.
2638 ft.

GSG LLC
438 STOCKING AVE NW
GRAND RAPIDS, MI 49504

LUST
UST

U003327813
N/A

Site 3 of 3 in cluster N

Relative:
Lower

LUST:

Facility ID: 00004193
Source: STATE OF MICHIGAN
Owner Name: GSG LLC
Owner Address: 438 Stocking Ave NW
Owner City,St,Zip: Grand Rapids, MI 49504

Actual:
614 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSG LLC (Continued)

U003327813

Owner Contact: Not reported
Owner Phone: (616) 458-3359
Country: USA
District: Grand Rapids District Office
Site Name: Spur Station #1557
Latitude: 42.97186
Longitude: -85.68473
Date of Collection: 01/29/2002
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-4004-85
Release Date: 10/01/1987
Substance Released: Not reported
Release Status: Closed
Release Closed Date: 02/16/1993

UST:

Facility ID: 00004193
Facility Type: ACTIVE
Owner Name: GSG LLC
Owner Address: 438 STOCKING AVE NW
Owner City,St,Zip: GRAND RAPIDS, MI 49504
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 458-3359
Contact: Not reported
Contact Phone: Not reported
Date of Collection: 01/29/2002
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Latitude: 42.97186
Longitude: -85.68473

Tank ID: 1
Tank Status: **Currently In Use**
Capacity: 10000
Product: Gasoline
Install Date: 05/01/1981
Remove Date: Not reported
Tank Release Detection: Manual Tank Gauging, Tank Tightness Testing
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Construction Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GSG LLC (Continued)

U003327813

Tank Status: **Currently In Use**
Capacity: 10000
Product: Gasoline
Install Date: 05/01/1981
Remove Date: Not reported
Tank Release Detection: Manual Tank Gauging, Tank Tightness Testing
Pipe Release Detection: Automatic Line Leak Detectors, Line Tightness Testing
Piping Material: Fiberglass Reinforced Plastic
Piping Type: Pressure
Construction Material: Cathodically Protected Steel
Impressed Device: No

67
SSE
1/2-1
0.701 mi.
3701 ft.

NO AM CORP
329 SUMMER AVE NW
GRAND RAPIDS, MI 49504

INVENTORY
PART 201
AUL
WDS

S108632560
N/A

Relative:
Lower

INVENTORY:
Bea Number: Not reported
Township: Grand Rapids
District: Grand Rapids
Data Source: Part 201
Latitude: 42.96962
Longitude: -85.6805

Actual:
611 ft.

PART 201:

Facility ID: 41000768
Facility Status: **Inactive - no actions taken to address contamination**
Source: Not reported
SAM Score: 38
SAM Score Date: 06/02/2005
Township: 07N
Range: 12W
Section: 25
Quarter: NW
Quarter/Quarter: NE
Pollutants: Not reported

AUL:

Status: Recorded
Site Name: No-Am Corporation
Property: No-Am Corporation
Land Use Restriction Type: RC
Program Type: Part 201
Program Support Assigned User: Nicholas Ekel
Program Support Assigned Date: 10/25/2011
Legal Description Of Property: Site Address
Based On The Deq Ref #: 11120104026
MDEQ Reference Number: RC-RRD-201-04-026
Property Or Description Restricted Area: Not reported
Lead Division: RRD
File Name Of Hyperlinked Legal Doc: U:\KERMIT\11120104026.PDF
Mapped Polygons Area In Acres: 1.0205
Mapped Polygons Area In Square Miles: 0.0015
Date Data Entry Started: 12/14/2011
Date Data Entry Finished: 12/14/2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO AM CORP (Continued)

S108632560

Individual Or Staff Assoc With The Mapping: Nicholas Ekel
Program Used To Map Restricted Features: ArcINFO 9.3 & IcoMAP 4.2
Date Legal Paperwork Stamped/Filed/Register Of Deeds: 05/17/1995
Commercial I Land Use Restriction: 0
Commercial Ii Land Use Restriction: 0
Commercial Iii Land Use Restriction: 0
Commercial Iv Land Use Restriction: 0
Industrial Land Use Restriction: 1
Residential Land Use Restriction: 0
Recreational Land Use Restriction: 0
Multiple Land-Use Restrictions: 0
Site Specific Restrictions: 0
Groundwater Consumption Restrictions: 1
Groundwater Contact Restrictions: 0
Special Well Construction Requirements: 0
Special Building Restrictions: 0
Excavation And Soil Movement Restrictions: 0
Soil Movement Requirements: 1
There Is A Restriction On All Construction: 0
Monitoring Well Protected, No Tampering Or Removal: 0
There Is An Exposure Barrier In Place: 1
There Is A Health And Safety Plan: 0
There Is A Permanent Marker On The Site: 0
Map Comments: 20111025 - LRUR is NOT mapped in KERMIT - Nick Ekel
20111214 - LRUR is mapped in KERMIT - Nick Ekel
Comment: Not reported

WDS:

Site Id: MID006026132
WMD Id: 394116
Site Specific Name: NO AM CORP
Mailing Address: 329 SUMMER AVE NW
Mailing City/State/Zip: 49504
Mailing County: KENT

68
East
1/2-1
0.762 mi.
4026 ft.

900-1010 MONROE AVENUE NW
900-1010 MONROE AVENUE NW
GRAND RAPIDS, MI

DEL PART 201
BEA
S104911871
N/A

Relative:
Lower

DEL_PART201:
Facility ID: 41000941
Status: Delisted - no longer meets criteria specified in rules

Actual:
611 ft.

BEA:

Secondary Address: Not reported
BEA Number: 673
District: Grand Rapids
Date Received: 02/24/2000
Submitter Name: 940 Monroe L.L.C.
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: moyerr
Division Assigned: Environmental Response Division

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

900-1010 MONROE AVENUE NW (Continued)

S104911871

Secondary Address: Not reported
BEA Number: 674
District: Grand Rapids
Date Received: 02/24/2000
Submitter Name: 900 Monroe L.L.C.
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: moyerr
Division Assigned: Environmental Response Division

69
ESE
1/2-1
0.814 mi.
4298 ft.

WOLVERINE BRASS WORKS
648 MONROE AVE NW
GRAND RAPIDS, MI 49503

INVENTORY
PART 201
BEA
WDS

S108896097
N/A

Relative:
Lower

INVENTORY:

Bea Number: Not reported
Township: Grand Rapids
District: Grand Rapids
Data Source: Part 201
Latitude: 42.97461
Longitude: -85.67143

Actual:
612 ft.

PART 201:

Facility ID: 41001057
Facility Status: Inactive - no actions taken to address contamination
Source: Not reported
SAM Score: 34
SAM Score Date: 06/18/2007
Township: 7N
Range: 12W
Section: 24
Quarter: SE
Quarter/Quarter: SW
Pollutants: Cr+3; Pb; Ag; TCE; VC

BEA:

Secondary Address: Not reported
BEA Number: 1081
District: Grand Rapids
Date Received: 08/19/2002
Submitter Name: Tower Automotive Products, Inc.
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: stringed
Division Assigned: Environmental Response Division

WDS:

Site Id: MID006025332
WMD Id: 394110
Site Specific Name: WOLVERINE BRASS WORKS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WOLVERINE BRASS WORKS (Continued)

S108896097

Mailing Address: 648 MONROE AVE NW
Mailing City/State/Zip: 49503
Mailing County: KENT

70
NE
1/2-1
0.831 mi.
4389 ft.

WHITTAKER ELECTRIC
1320 FRONT
GRAND RAPIDS, MI 49505

DEL PART 201
BEA

S105965947
N/A

Relative:
Lower

DEL_PART201:
Facility ID: 41000385
Status: Delisted - no longer meets criteria specified in rules

Actual:
606 ft.

BEA:
Secondary Address: Not reported
BEA Number: 3136
District: Grand Rapids
Date Received: 03/08/2012
Submitter Name: TDC Realestate LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: odonneld
Division Assigned: Environmental Response Division

Secondary Address: Not reported
BEA Number: 3137
District: Grand Rapids
Date Received: 03/08/2012
Submitter Name: Technical Design Concepts Inc
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: odonneld
Division Assigned: Environmental Response Division

71
ESE
1/2-1
0.841 mi.
4442 ft.

AUTOBOND (FORMER)
706 BOND AVE. NW
GRAND RAPIDS, MI 49503

INVENTORY
PART 201
BEA
WDS

S105144244
N/A

Relative:
Higher

INVENTORY:
Bea Number: Not reported
Township: Grand Rapids
District: Grand Rapids
Data Source: Part 201
Latitude: 42.97579
Longitude: -85.6714

Actual:
615 ft.

PART 201:
Facility ID: 41000791

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTOBOND (FORMER) (Continued)

S105144244

Facility Status: Interim Response conducted
Source: Automotive Stamping
SAM Score: 30
SAM Score Date: 01/06/2005
Township: 07N
Range: 12W
Section: 24
Quarter: NE
Quarter/Quarter: SE
Pollutants: TCE; Metals

BEA:

Secondary Address: Not reported
BEA Number: 6
District: Grand Rapids
Date Received: 09/05/1995
Submitter Name: H-Z Properties, Inc
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Same Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: moyerr
Division Assigned: Environmental Response Division

Secondary Address: Not reported
BEA Number: 20
District: Grand Rapids
Date Received: 11/15/1995
Submitter Name: Optimum Manufacturing INC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Same Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: odonneld
Division Assigned: Environmental Response Division

WDS:

Site Id: MID982610610
WMD Id: 401249
Site Specific Name: GR SPRING & STAMPING INC
Mailing Address: 706 BOND AVE NW
Mailing City/State/Zip: 49503
Mailing County: KENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

72
NNE
1/2-1
0.982 mi.
5185 ft.

Relative:
Higher

Actual:
620 ft.

RELIABLE EQUIPMENT
633 RICHMOND ST NW
GRAND RAPIDS, MI 49504

CERCLIS 1000245371
RCRA NonGen / NLR MID006407969
ICIS
FINDS
RAATS
PART 201
INVENTORY
BROWNFIELDS
AIRS
BEA
WDS
PRP

CERCLIS:

Site ID: 0506594
EPA ID: MID006407969
Facility County: KENT
Short Name: RELIABLE EQUIPMENT
Congressional District: 05
IFMS ID: 05LE
SMSA Number: 3000
USGC Hydro Unit: 04050006
Federal Facility: Not a Federal Facility
DMNSN Number: 0.00000
Site Orphan Flag: N
RCRA ID: Not reported
USGS Quadrangle: Not reported
Site Init By Prog: Not reported
NFRAP Flag: Not reported
Parent ID: Not reported
RST Code: Not reported
EPA Region: 05
Classification: Not reported
Site Settings Code: Not reported
NPL Status: Not on the NPL
DMNSN Unit Code: Not reported
RBRAC Code: Not reported
RResp Fed Agency Code: Not reported
Non NPL Status: Referred to Removal - NFRAP
Non NPL Status Date: 06/14/00
Site Fips Code: 26081
CC Concurrence Date: / /
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

Alias Comments: Not reported
Site Description: Not reported

CERCLIS Assessment History:

Action Code: 001
Action: DISCOVERY
Date Started: / /
Date Completed: 12/19/91
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

Action Anomaly: Not reported

Action Code: 001
Action: Notice Letters Issued
Date Started: / /
Date Completed: 01/09/92
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 005
Action: Notice Letters Issued
Date Started: / /
Date Completed: 01/09/92
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 01/09/92
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 002
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 01/30/92
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 006
Action: Notice Letters Issued
Date Started: / /
Date Completed: 01/30/92
Priority Level: Not reported
Operable Unit: SITEWIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 002
Action: Notice Letters Issued
Date Started: / /
Date Completed: 01/30/92
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 05/11/92
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 008
Action: Notice Letters Issued
Date Started: / /
Date Completed: 06/11/92
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 003
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 06/11/92
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 003
Action: Notice Letters Issued
Date Started: / /

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

Date Completed: 06/11/92
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: REMOVAL
Date Started: 06/18/92
Date Completed: 08/03/92
Priority Level: Stabilized
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Time Critical
Action Anomaly: Original Action Take Over

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 11/05/92
Priority Level: Higher priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: SITE INSPECTION
Date Started: / /
Date Completed: 04/07/93
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information
Operable Unit: SITEWIDE
Primary Responsibility: State, Fund Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 004
Action: Notice Letters Issued
Date Started: / /
Date Completed: 04/23/93
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

Action Code: 004
Action: ISSUE REQUEST LETTERS (104E)
Date Started: / /
Date Completed: 04/23/93
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 007
Action: Notice Letters Issued
Date Started: / /
Date Completed: 04/23/93
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started: 08/03/92
Date Completed: 09/08/94
Priority Level: Partially Cleaned up
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Time Critical
Action Anomaly: New Action Resulting from Take Over

Action Code: 001
Action: NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started: / /
Date Completed: 09/08/94
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

RCRA NonGen / NLR:

Date form received by agency: 05/19/2008
Facility name: RELIABLE EQUIPMENT CORPORATION
Facility address: 633 RICHMOND ST NW
GRAND RAPIDS, MI 49504
EPA ID: MID006407969
Contact: ANTHONY PRESTON
Contact address: 633 RICHMOND ST NW
GRAND RAPIDS, MI 49504

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

Contact country: US
Contact telephone: (616) 363-4823
Contact email: Not reported
EPA Region: 05
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/13/2008
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/13/2008
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 04/30/2008
Site name: RELIABLE EQUIPMENT CORPORATION
Classification: Not a generator, verified

Date form received by agency: 03/31/1998
Site name: RELIABLE EQUIPMENT CORPORATION
Classification: Not a generator, verified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 11/12/1991
Date achieved compliance: 08/05/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/14/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 11/12/1991
Date achieved compliance: 08/05/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/14/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 11/12/1991
Date achieved compliance: 08/05/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/14/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 11/12/1991
Date achieved compliance: 08/05/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/14/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 12/05/1990
Date achieved compliance: 08/05/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/14/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/25/1986
Date achieved compliance: 02/24/1989
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/25/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 2000
Final penalty amount: 2000
Paid penalty amount: Not reported

Regulation violated: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

Area of violation: Generators - General
Date violation determined: 06/25/1986
Date achieved compliance: 02/24/1989
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 02/16/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/25/1986
Date achieved compliance: 02/24/1989
Violation lead agency: State
Enforcement action: STATE CONSENT/COMPLIANCE ORDER 3008(A)
Enforcement action date: 02/24/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 2000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/25/1986
Date achieved compliance: 02/24/1989
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR IMMINENT AND SUBSTANTIAL ENDANGERMENT
Enforcement action date: 04/23/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 15000
Final penalty amount: 15000
Paid penalty amount: 15000

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/25/1986
Date achieved compliance: 02/24/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/27/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

Date violation determined: 06/25/1986
Date achieved compliance: 02/24/1989
Violation lead agency: State
Enforcement action: REFERRAL TO DEPARTMENT OF JUSTICE
Enforcement action date: 06/14/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/25/1986
Date achieved compliance: 02/24/1989
Violation lead agency: State
Enforcement action: STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement action date: 01/05/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/25/1986
Date achieved compliance: 02/24/1989
Violation lead agency: State
Enforcement action: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 03/07/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 08/05/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/12/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/05/1993
Evaluation lead agency: State

Evaluation date: 11/12/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 08/05/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

Evaluation lead agency: State

Evaluation date: 11/12/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 08/05/1993
Evaluation lead agency: State

Evaluation date: 11/12/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/05/1993
Evaluation lead agency: State

Evaluation date: 12/05/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 08/05/1993
Evaluation lead agency: State

Evaluation date: 06/14/1989
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/18/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/25/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/24/1989
Evaluation lead agency: State

Evaluation date: 01/30/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

ICIS:

Enforcement Action ID: 05-1993-0891
FRS ID: 110003584256
Program ID: FRS 110003584256
Action Name: RELIABLE EQUIPMENT
Full Address: 633 RICHMOND ST NW GRAND RAPIDS MI 49504
State: Michigan
Facility Name: RELIABLE EQUIPMENT CORPOR
Facility Address: 633 RICHMOND ST NW
GRAND RAPIDS, MI 49504
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: KENT
EPA Region #: 5

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

Enforcement Action ID: 05-1993-0891
FRS ID: 110003584256
Program ID: CERCLIS MID006407969
Action Name: RELIABLE EQUIPMENT
Full Address: 633 RICHMOND ST NW GRAND RAPIDS MI 49504
State: Michigan
Facility Name: RELIABLE EQUIPMENT
Facility Address: 633 RICHMOND ST NW
GRAND RAPIDS, MI 49504
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: KENT
EPA Region #: 5

Enforcement Action ID: 05-1993-0891
FRS ID: 110003584256
Program ID: RCRAINFO MID006407969
Action Name: RELIABLE EQUIPMENT
Full Address: 633 RICHMOND ST NW GRAND RAPIDS MI 49504
State: Michigan
Facility Name: RELIABLE EQUIPMENT CORPOR
Facility Address: 633 RICHMOND ST NW
GRAND RAPIDS, MI 49504
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz
Facility County: KENT
EPA Region #: 5

Enforcement Action ID: 05-1989-0158
FRS ID: 110003584256
Program ID: FRS 110003584256
Action Name: RELIABLE EQUIPMENT, INC.
Full Address: 633 RICHMOND ST NW GRAND RAPIDS MI 49504
State: Michigan
Facility Name: RELIABLE EQUIPMENT CORPOR
Facility Address: 633 RICHMOND ST NW
GRAND RAPIDS, MI 49504
Enforcement Action Type: Civil Judicial Action
Facility County: KENT
EPA Region #: 5

Enforcement Action ID: 05-1989-0158
FRS ID: 110003584256
Program ID: CERCLIS MID006407969
Action Name: RELIABLE EQUIPMENT, INC.
Full Address: 633 RICHMOND ST NW GRAND RAPIDS MI 49504
State: Michigan
Facility Name: RELIABLE EQUIPMENT
Facility Address: 633 RICHMOND ST NW
GRAND RAPIDS, MI 49504
Enforcement Action Type: Civil Judicial Action
Facility County: KENT
EPA Region #: 5

Enforcement Action ID: 05-1989-0158
FRS ID: 110003584256
Program ID: RCRAINFO MID006407969
Action Name: RELIABLE EQUIPMENT, INC.
Full Address: 633 RICHMOND ST NW GRAND RAPIDS MI 49504

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

State: Michigan
Facility Name: RELIABLE EQUIPMENT CORPOR
Facility Address: 633 RICHMOND ST NW
GRAND RAPIDS, MI 49504
Enforcement Action Type: Civil Judicial Action
Facility County: KENT
EPA Region #: 5

Program ID: CERCLIS MID006407969
Facility Name: RELIABLE EQUIPMENT CORPOR
Address: 633 RICHMOND ST NW
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3599

Program ID: FRS 110003584256
Facility Name: RELIABLE EQUIPMENT CORPOR
Address: 633 RICHMOND ST NW
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3599

Program ID: RCRAINFO MID006407969
Facility Name: RELIABLE EQUIPMENT CORPOR
Address: 633 RICHMOND ST NW
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3599

Program ID: CERCLIS MID006407969
Facility Name: RELIABLE EQUIPMENT CORPOR
Address: 633 RICHMOND ST NW
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3599

Program ID: FRS 110003584256
Facility Name: RELIABLE EQUIPMENT CORPOR
Address: 633 RICHMOND ST NW
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3599

Program ID: RCRAINFO MID006407969
Facility Name: RELIABLE EQUIPMENT CORPOR
Address: 633 RICHMOND ST NW
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 3599

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

FINDS:

Registry ID: 110003584256

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

PART 201:

Facility ID: 41000053
Facility Status: **Evaluation in progress**
Source: Chemicals and Allied Products
SAM Score: 38
SAM Score Date: 09/29/2004
Township: 07N
Range: 12W
Section: 13
Quarter: NW
Quarter/Quarter: SW
Pollutants: CN; Pb; Ni

INVENTORY:

Bea Number: Not reported
Township: Grand Rapids
District: Grand Rapids
Data Source: Part 201
Latitude: 42.99294
Longitude: -85.68384

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

BROWNFIELD:

Facility ID: Not reported
Region: 1
Status: Completed
Property Use: Property owned by Philomena Trust and Land, operated by Preston Industrial (Tool).
Use at Time of Listing: Property owned by Philomena Trust and Land, operated by Preston Industrial (Tool).
BEA: Yes
Ernie Id Number: 41000053

AIRS:

State Registration Number: N1674
Naics Code: Not reported
Contact Name: Not reported
Contact Phone: Not reported
Contact Address: Not reported
Contact City,St,Zip: Not reported
Permit Number: 532-87
Date Received: 07/17/1987
State Registration Number: N1674
Country: Not reported
Application Reason: PLATING TANKS W/ SCRUBBER
Record Type: Not reported
State County FIPS: Not reported
Facility Category: Not reported
SIC Primary: Not reported
Tribal Code: Not reported
Supplemental Location Text: Not reported
Dun & Brad Street Number: Not reported
Business Name: Not reported
Principal Product: Not reported
Principal Product Description: Not reported
UTM Zone (Geo Coordinates Universal Transverse Mercator System): Not reported
UTM Horizontal Coord: Not reported
UTM Vertical Coord: Not reported
Mailing Name: Not reported
Mailing Contact Person: Not reported
Mailing Street: Not reported
Mailing City: Not reported
Mailing State: Not reported
Mailing Zip: Not reported
Mailing Zip 4 Extension: Not reported
Compliance Person: Not reported
Compliance Area Code: Not reported
Compliance Phone Number: Not reported
Emission Inventory Contact Person: Not reported
EI Contact Area Code: Not reported
EI Contact Phone Number: Not reported
Permit Contact Person: Not reported
Permit Contact Person Area Code: Not reported
Permit Contact Person Phone Number: Not reported
Federal Employer Id Number: Not reported
Of Employees: Not reported
Reporting Year: Not reported
Date Record Was Created: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

BEA:

Secondary Address: Not reported
BEA Number: 3473
District: Grand Rapids
Date Received: 06/21/2013
Submitter Name: Richmond Transfer Station LLC
Petition Determination: No Request
Petition Disclosure: 0
Category: Not reported
Determination 20107A: No Request
Reviewer: pawlosj2
Division Assigned: Environmental Response Division

Secondary Address: Not reported
BEA Number: 306
District: Grand Rapids
Date Received: 12/09/1997
Submitter Name: Philomena Trust & Land, L.L.C.
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: odonneld
Division Assigned: Environmental Response Division

Secondary Address: Not reported
BEA Number: 598
District: Grand Rapids
Date Received: 10/04/1999
Submitter Name: Gary Pitsch, Member/Manager
Petition Determination: Affirmed
Petition Disclosure: 1
Category: Same Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: pawlosj2
Division Assigned: Environmental Response Division

WDS:

Site Id: MID006407969
WMD Id: 394195
Site Specific Name: RELIABLE EQUIPMENT CORPORATION
Mailing Address: 633 RICHMOND ST NW
Mailing City/State/Zip: 49504
Mailing County: KENT

PRP:

PRP name: ADVANCE PLATING
ANTHONY PRESTON, SR
ATTWOOD CORP.
ATTWOOD CORP.
BIGELOW-MCFADDEN SEPTIC TANK SYSTEMS
CRAMPTON MANUFACTURING
DOEHLER-JARVIS LTD. PARTNERSHIP
GENERAL MOTORS CORPORATION
GENERAL MOTORS CORPORATION
GENERAL MOTORS CORPORATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RELIABLE EQUIPMENT (Continued)

1000245371

GRAND RAPIDS DIE CASTING CORP.
KEELER BRASS COMPANY
LESCOA - THE LESLIE METAL ARTS CO., INC.
LESCOA - THE LESLIE METAL ARTS CO., INC.
LESCOA - THE LESLIE METAL ARTS CO., INC.
NAT'L. LEAD INDUS./DOEHLER-JARVIS DIV.
NAT'L. LEAD INDUS./DOEHLER-JARVIS DIV.
PLASTIC PLATE
PRESTON, ANTHONY SR.
PRESTON, ANTHONY SR.
RELIABLE EQUIPMENT CORP.
RELIABLE EQUIPMENT CORP.
RELIABLE EQUIPMENT CORP.
STA-RITE INDUSTRIES, INC./AMERICAN SANITARY DIV.
TUBULAR SALES
TUBULAR SALES

Count: 4 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GRAND RAPIDS	S103085176	68TH. ST. & DIVISION AREA	68TH. STREET AND DIVISION AREA		PART 201, DEL PART 201
KENT COUNTY	S114022589	1271-1727 ALPINE AVENUE	1721-1727 ALPINE AVENUE		INVENTORY
KENT COUNTY	S114025688	3718 ALPINE AVENUE NW	3718 ALPINE AVENUE NW		INVENTORY
KENT COUNTY	S114023282	1750 ALPINE AVENUE N. W. (A TO Z M	1750 ALPINE AVENUE N. W.		INVENTORY

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/29/2014	Source: EPA
Date Data Arrived at EDR: 10/08/2014	Telephone: N/A
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 10/08/2014
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/19/2015
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/29/2014	Source: EPA
Date Data Arrived at EDR: 10/08/2014	Telephone: N/A
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 10/08/2014
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/19/2015
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/29/2014	Source: EPA
Date Data Arrived at EDR: 10/08/2014	Telephone: N/A
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 10/08/2014
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/19/2015
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 11/24/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 03/09/2015
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/21/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/07/2014	Telephone: 703-603-8704
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 10/07/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/19/2015
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 11/24/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 03/09/2015
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 12/03/2014
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/16/2015
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 12/03/2014
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/16/2015
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/29/2014	Source: Department of the Navy
Date Data Arrived at EDR: 10/09/2014	Telephone: 843-820-7326
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 11/17/2014
Number of Days to Update: 11	Next Scheduled EDR Contact: 03/02/2015
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/29/2014	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 09/30/2014	Telephone: 202-267-2180
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 12/29/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 04/13/2015
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

Date of Government Version: N/A	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 10/31/2013	Telephone: 517-284-5103
Date Made Active in Reports: 11/20/2013	Last EDR Contact: 10/27/2014
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: No Update Planned

State and tribal landfill and/or solid waste disposal site lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SWF/LF: Solid Waste Facilities Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 10/17/2014
Number of Days to Update: 16

Source: Dept of Environmental Quality
Telephone: 517-335-4035
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 08/01/2014
Date Data Arrived at EDR: 08/19/2014
Date Made Active in Reports: 09/03/2014
Number of Days to Update: 15

Source: Dept of Environmental Quality
Telephone: 517-373-9837
Last EDR Contact: 11/17/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 05/22/2014
Date Data Arrived at EDR: 08/22/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 27

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/06/2014
Date Data Arrived at EDR: 10/29/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 19

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/03/2014
Date Data Arrived at EDR: 11/05/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 12

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/20/2014	Source: EPA Region 10
Date Data Arrived at EDR: 06/10/2014	Telephone: 206-553-2857
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 73	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/04/2014	Source: EPA Region 8
Date Data Arrived at EDR: 11/07/2014	Telephone: 303-312-6271
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013	Source: EPA Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/31/2014
Number of Days to Update: 184	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 07/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 08/12/2014	Telephone: 404-562-8677
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Semi-Annually

State and tribal registered storage tank lists

UST 2: Underground Storage Tank Listing
A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 10/28/2014	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 10/29/2014	Telephone: 517-335-7211
Date Made Active in Reports: 12/01/2014	Last EDR Contact: 10/20/2014
Number of Days to Update: 33	Next Scheduled EDR Contact: 02/02/2015
	Data Release Frequency: Annually

UST: Underground Storage Tank Facility List
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 08/01/2014	Source: Dept of Environmental Quality
Date Data Arrived at EDR: 08/19/2014	Telephone: 517-335-4035
Date Made Active in Reports: 09/03/2014	Last EDR Contact: 11/17/2014
Number of Days to Update: 15	Next Scheduled EDR Contact: 03/02/2015
	Data Release Frequency: Annually

AST: Aboveground Tanks
Registered Aboveground Storage Tanks.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/31/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 12/01/2014
Number of Days to Update: 31

Source: Dept of Environmental Quality
Telephone: 517-373-8168
Last EDR Contact: 11/17/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: No Update Planned

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 271

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/31/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 07/30/2014
Date Data Arrived at EDR: 08/12/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/03/2014
Date Data Arrived at EDR: 11/05/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 12

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/06/2014
Date Data Arrived at EDR: 10/29/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 8

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/20/2014
Date Data Arrived at EDR: 08/22/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 27

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/04/2014
Date Data Arrived at EDR: 11/07/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 10

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/14/2014
Date Data Arrived at EDR: 08/15/2014
Date Made Active in Reports: 08/22/2014
Number of Days to Update: 7

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/20/2014
Date Data Arrived at EDR: 06/10/2014
Date Made Active in Reports: 08/15/2014
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/10/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 09/03/2014
Date Data Arrived at EDR: 09/03/2014
Date Made Active in Reports: 10/17/2014
Number of Days to Update: 44

Source: Dept of Environmental Quality
Telephone: 517-373-4828
Last EDR Contact: 12/01/2014
Next Scheduled EDR Contact: 03/16/2015
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 36

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 07/27/2012
Date Data Arrived at EDR: 07/31/2012
Date Made Active in Reports: 09/20/2012
Number of Days to Update: 51

Source: Dept of Environmental Quality
Telephone: 517-373-4805
Last EDR Contact: 10/24/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 05/01/2007
Number of Days to Update: 21

Source: Economic Development Corporation
Telephone: 888-522-0103
Last EDR Contact: 11/25/2014
Next Scheduled EDR Contact: 03/16/2015
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/22/2014
Date Data Arrived at EDR: 09/23/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/22/2014
Next Scheduled EDR Contact: 04/06/2015
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/24/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 07/11/2014
Date Data Arrived at EDR: 07/11/2014
Date Made Active in Reports: 08/11/2014
Number of Days to Update: 31

Source: Dept of Environmental Quality
Telephone: 517-241-5719
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Varies

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Dept of Environmental Quality
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/29/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/25/2014
Date Data Arrived at EDR: 09/09/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 41

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/25/2014
Next Scheduled EDR Contact: 03/16/2015
Data Release Frequency: Quarterly

PART 201: Part 201 Site List

A Part 201 Listed site is a location that has been evaluated and scored by the DEQ using the Part 201 scoring model. The location is or includes a "facility" as defined by Part 201, where there has been a release of a hazardous substance(s) in excess of the Part 201 residential criteria, and/or where corrective actions have not been completed under Part 201 to meet the applicable cleanup criteria for unrestricted residential use. The Part 201 List does not include all of the sites of contamination that are subject to regulation under Part 201 because owners are not required to inform the DEQ about the sites and can pursue cleanup independently. Sites of environmental contamination that are not known to DEQ are not on the list, nor are sites with releases that resulted in low environmental impact.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/01/2013
Date Data Arrived at EDR: 10/03/2014
Date Made Active in Reports: 10/03/2014
Number of Days to Update: 0

Source: Department of Environmental Quality
Telephone: 517-284-5103
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: No Update Planned

INVENTORY: Inventory of Facilities

The Inventory of Facilities has three data sources: Facilities under Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA) identified through state funded or private party response activities (Projects); Facilities under Part 213, Leaking Underground Storage Tanks of the NREPA; and Facilities identified through submittals of Baseline Environmental Assessments (BEA) submitted pursuant to Part 201 or Part 213 of the NREPA. The Part 201 Projects Inventory does not include all of the facilities that are subject to regulation under Part 201 because owners are not required to inform the Department of Environmental Quality (DEQ) about the facilities and can pursue cleanup independently. Facilities that are not known to DEQ are not on the Inventory, nor are locations with releases that resulted in low environmental impact. Part 213 facilities listed here may have more than one release; a list of releases for which corrective actions have been completed and list of releases for which corrective action has not been completed is located on the Leaking Underground Storage Tanks Site Search webpage. The DEQ may or may not have reviewed and concurred with the conclusion that the corrective actions described in a closure report meets criteria. A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

Date of Government Version: 10/27/2014
Date Data Arrived at EDR: 10/28/2014
Date Made Active in Reports: 12/01/2014
Number of Days to Update: 34

Source: Department of Environmental Quality
Telephone: 517-284-5136
Last EDR Contact: 10/28/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Quarterly

DEL PART 201: Delisted List of Contaminated Sites

A deleted site has been removed from the Part 201 List because information known to the DEQ at the time of the evaluation does not support inclusion on the Part 201 List. This designation is often applied to sites where changes in cleanup criteria resulted in a determination that the site no longer exceeds any applicable cleanup criterion. A delisted site has been removed from the Part 201 List because response actions have reduced the levels of contaminants to concentrations which meet or are below the criteria for unrestricted residential use.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 09/11/2013
Number of Days to Update: 41

Source: Dept of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 11/21/2008
Number of Days to Update: 3

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/25/2014
Date Data Arrived at EDR: 09/09/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 41

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/25/2014
Next Scheduled EDR Contact: 03/16/2015
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC * 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 09/17/2014
Date Data Arrived at EDR: 10/22/2014
Date Made Active in Reports: 11/26/2014
Number of Days to Update: 35

Source: Dept of Environmental Quality
Telephone: 517-241-7603
Last EDR Contact: 10/17/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 36

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/01/2014
Next Scheduled EDR Contact: 01/12/2015
Data Release Frequency: Annually

PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 09/16/2014
Date Data Arrived at EDR: 09/18/2014
Date Made Active in Reports: 10/17/2014
Number of Days to Update: 29

Source: Dept of Environmental Quality
Telephone: 517-373-8427
Last EDR Contact: 12/05/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/10/2014
Date Data Arrived at EDR: 07/02/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/04/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 11/07/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/12/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/24/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/12/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/26/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/05/2014
Date Data Arrived at EDR: 09/04/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 74

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/03/2014
Next Scheduled EDR Contact: 03/16/2015
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/26/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/22/2014
Next Scheduled EDR Contact: 04/06/2015
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/19/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/19/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/31/2014
Date Data Arrived at EDR: 10/29/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/10/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/15/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/04/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/07/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/08/2014	Telephone: 202-343-9775
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 10/08/2014
Number of Days to Update: 12	Next Scheduled EDR Contact: 01/19/2015
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/16/2014	Source: EPA
Date Data Arrived at EDR: 09/10/2014	Telephone: (312) 353-2000
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 12/09/2014
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/23/2015
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/12/2014	Telephone: 202-564-8600
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 10/27/2014
Number of Days to Update: 86	Next Scheduled EDR Contact: 02/09/2015
	Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/26/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Biennially

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 10/29/2014
Date Data Arrived at EDR: 10/30/2014
Date Made Active in Reports: 12/01/2014
Number of Days to Update: 32

Source: Dept of Environmental Quality
Telephone: 517-241-1515
Last EDR Contact: 10/27/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 07/24/2014
Date Data Arrived at EDR: 07/25/2014
Date Made Active in Reports: 08/11/2014
Number of Days to Update: 17

Source: Dept of Environmental Quality
Telephone: 517-335-4586
Last EDR Contact: 10/20/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Annually

NPDES: List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 10/07/2014
Date Data Arrived at EDR: 10/08/2014
Date Made Active in Reports: 10/17/2014
Number of Days to Update: 9

Source: Dept of Environmental Quality
Telephone: 517-241-1300
Last EDR Contact: 10/08/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

Date of Government Version: 09/26/2014
Date Data Arrived at EDR: 09/26/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 54

Source: Dept of Environmental Quality
Telephone: 517-373-7074
Last EDR Contact: 12/18/2014
Next Scheduled EDR Contact: 04/06/2015
Data Release Frequency: Varies

BEA: Baseline Environmental Assessment Database

A BEA is a document that new or prospective property owners/operations disclose to the DEQ identifying the property as a facility pursuant to Part 201 and Part 213. The Inventory of BEA Facilities overlaps in part with the Part 201 Projects facilities and Part 213 facilities. There may be more than one BEA for each facility.

Date of Government Version: 08/21/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 09/12/2013
Number of Days to Update: 20

Source: Dept of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 11/17/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: No Update Planned

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 11/07/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/18/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 01/05/2011
Date Data Arrived at EDR: 01/07/2011
Date Made Active in Reports: 02/14/2011
Number of Days to Update: 38

Source: Dept of Environmental Quality
Telephone: 517-335-4034
Last EDR Contact: 12/29/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/04/2014
Date Data Arrived at EDR: 09/04/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/11/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: Quarterly

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/12/2014
Next Scheduled EDR Contact: 03/23/2015
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/17/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/14/2014
Date Data Arrived at EDR: 10/22/2014
Date Made Active in Reports: 11/26/2014
Number of Days to Update: 35

Source: Dept of Environmental Quality
Telephone: 517-335-6610
Last EDR Contact: 10/06/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 10/31/2014
Next Scheduled EDR Contact: 02/09/2015
Data Release Frequency: Varies

WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

Date of Government Version: 09/10/2014
Date Data Arrived at EDR: 09/11/2014
Date Made Active in Reports: 10/17/2014
Number of Days to Update: 36

Source: Dept of Environmental Quality
Telephone: 517-284-6562
Last EDR Contact: 11/20/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 10/15/2014
Date Data Arrived at EDR: 10/16/2014
Date Made Active in Reports: 11/26/2014
Number of Days to Update: 41

Source: Dept of Environmental Quality
Telephone: 586-753-3754
Last EDR Contact: 10/06/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/14/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Quarterly

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/29/2015
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/14/2014
Next Scheduled EDR Contact: 02/23/2015
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014
Date Data Arrived at EDR: 06/12/2014
Date Made Active in Reports: 07/28/2014
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/06/2014
Next Scheduled EDR Contact: 01/19/2015
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

FEDLAND: Federal and Indian Lands

Federally and Indian administered lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 11/07/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: N/A

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/23/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/23/2014
Next Scheduled EDR Contact: 04/13/2015
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Michigan.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Michigan.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA PART 201: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Michigan.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/17/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/10/2014
Next Scheduled EDR Contact: 01/26/2015
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/01/2014
Date Data Arrived at EDR: 11/05/2014
Date Made Active in Reports: 11/24/2014
Number of Days to Update: 19

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/05/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/21/2014
Date Made Active in Reports: 08/25/2014
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/20/2014
Next Scheduled EDR Contact: 02/02/2015
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 08/13/2014
Number of Days to Update: 29

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/26/2014
Next Scheduled EDR Contact: 03/09/2015
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/20/2014
Date Made Active in Reports: 08/07/2014
Number of Days to Update: 48

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/12/2014
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

802 ALPINE AVENUE NW
802 ALPINE AVENUE NW
GRAND RAPIDS, MI 49504

TARGET PROPERTY COORDINATES

Latitude (North):	42.9782 - 42° 58' 41.52"
Longitude (West):	85.6877 - 85° 41' 15.72"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	607004.9
UTM Y (Meters):	4759014.5
Elevation:	615 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42085-H6 GRAND RAPIDS WEST, MI
Most Recent Revision:	1996

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

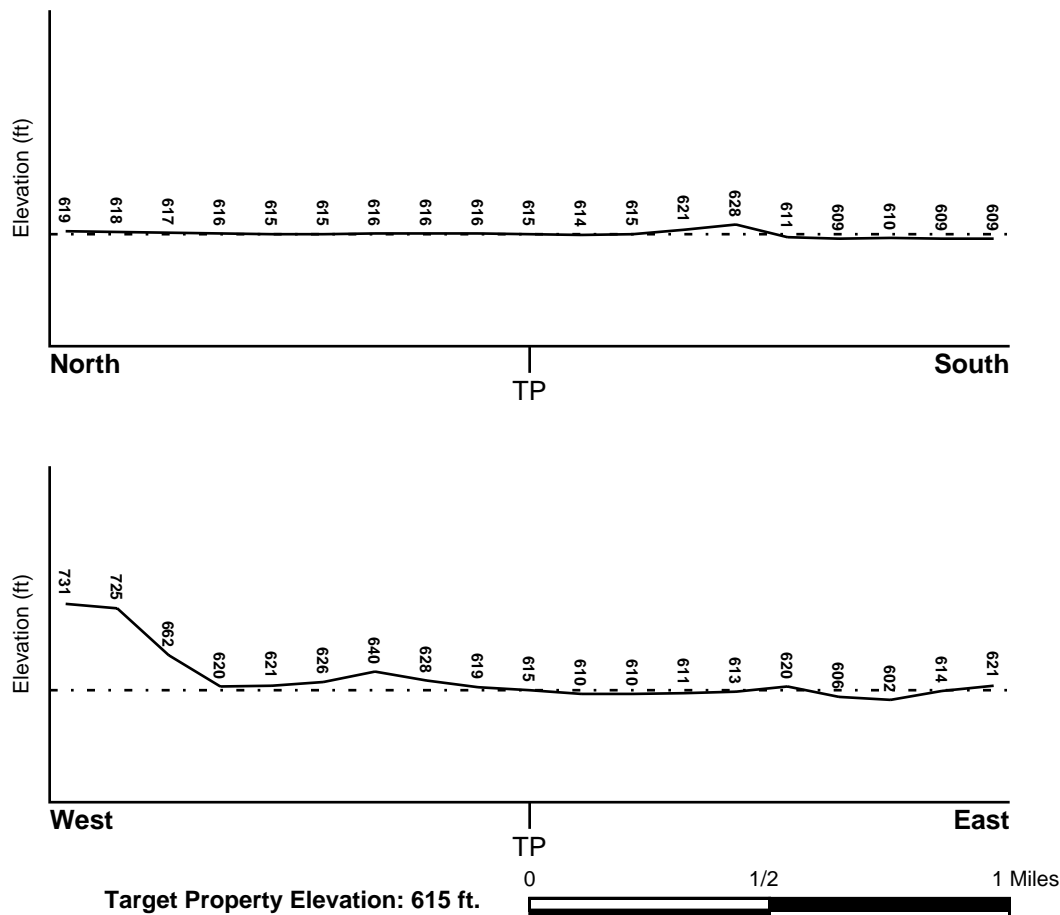
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
KENT, MI

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 2601060005C - FEMA Q3 Flood data

Additional Panels in search area:
2601060010C - FEMA Q3 Flood data
2601060015C - FEMA Q3 Flood data
2601060020C - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
GRAND RAPIDS WEST

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1 - 2 Miles NNE
Site Name:	Peninsular Plating Company
Site EPA ID Number:	MID981195696
Surficial Aquifer Flow Dir.:	NE TOWARD INDIAN MILL CREEK.
Measured Depth to Water:	5 feet to 8 feet.
Hydraulic Connection:	The surficial aquifer is located within a shallow sand formation and is underlain by 17 feet of hard glacial till.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	1/4 - 1/2 Mile NE	Not Reported
2	1/4 - 1/2 Mile SSE	SW
3	1/4 - 1/2 Mile ENE	S
4	1/2 - 1 Mile South	ENE
5	1/2 - 1 Mile NNE	NW
6	1/2 - 1 Mile SSW	Not Reported
7	1/2 - 1 Mile ENE	W
8	1/2 - 1 Mile WNW	N
9	1/2 - 1 Mile NE	Not Reported
A10	1/2 - 1 Mile NE	NW
A11	1/2 - 1 Mile NE	S
B12	1/2 - 1 Mile SSE	E
B13	1/2 - 1 Mile SSE	Not Reported
14	1/2 - 1 Mile ENE	NW
15	1/2 - 1 Mile ESE	E

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Paleozoic
System: Mississippian
Series: Meramecian Series
Code: M2 (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: CAPAC
Soil Surface Texture: loam
Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class: Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	8 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.60
2	8 inches	35 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.30 Min: 5.60
3	35 inches	60 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 8.40 Min: 7.40

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loamy fine sand
muck
sandy loam
fine sandy loam
sand
loamy sand

Surficial Soil Types: loamy fine sand
muck
sandy loam
fine sandy loam
sand
loamy sand

Shallow Soil Types: loamy sand
loamy very fine sand
sand

Deeper Soil Types: fine sand
clay loam
stratified
sandy loam
loamy fine sand
muck
sand
gravelly - sand

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

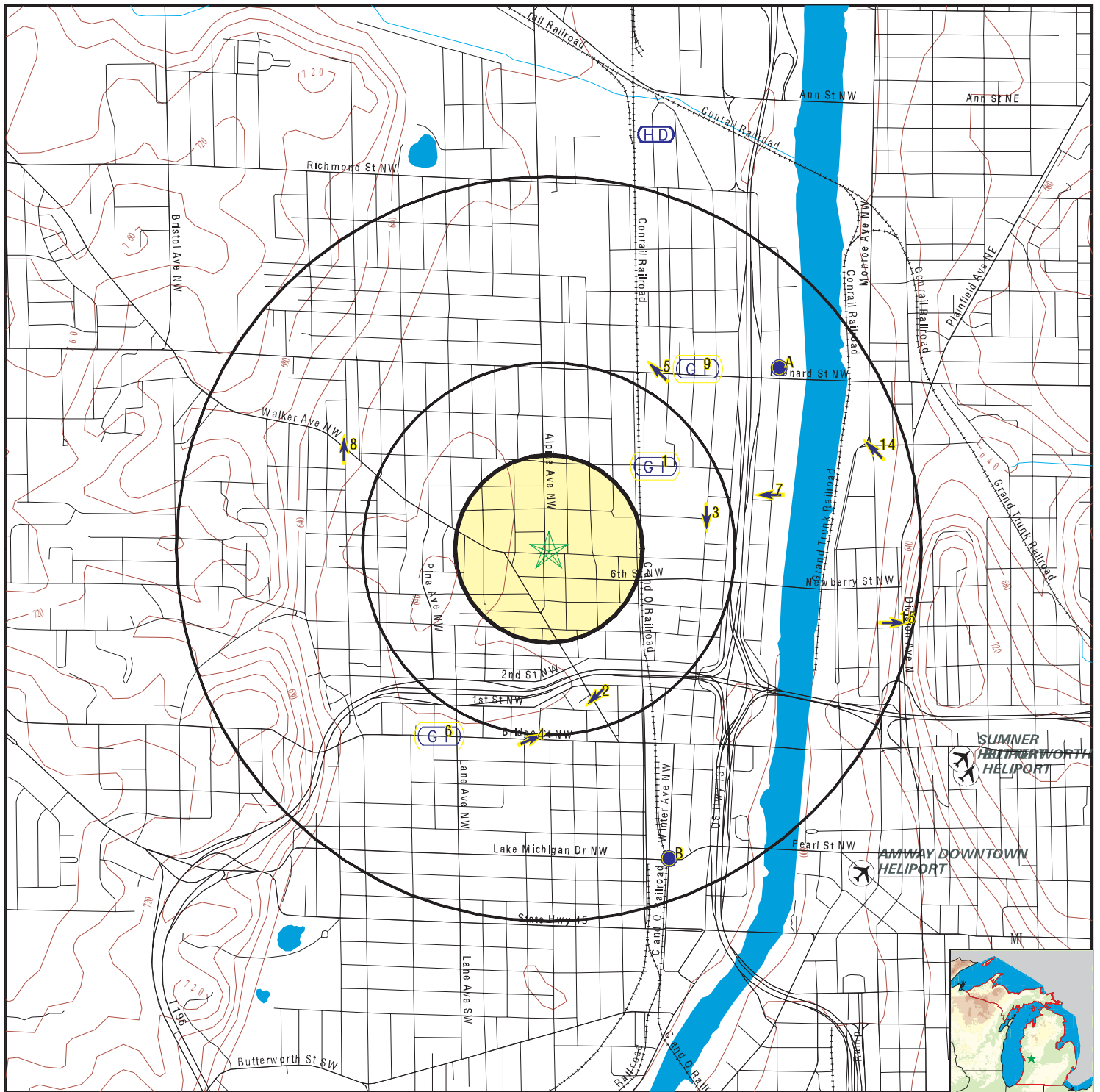
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

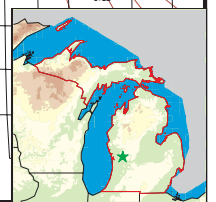
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 04170139.2r



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: 802 Alpine Avenue NW
 ADDRESS: 802 Alpine Avenue NW
 Grand Rapids MI 49504
 LAT/LONG: 42.9782 / 85.6877

CLIENT: PM Environmental, Inc.
 CONTACT: Lindsey Sorensen
 INQUIRY #: 04170139.2r
 DATE: December 30, 2014 8:42 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1 NE 1/4 - 1/2 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	0-002126 Not Reported Not Reported Not Reported 15 10/31/1990	AQUIFLOW	28602
2 SSE 1/4 - 1/2 Mile Higher	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	410107 SW Not Reported Not Reported 8 03/01/1996	AQUIFLOW	27792
3 ENE 1/4 - 1/2 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	410148 S Not Reported Not Reported 7 to 11 04/28/1995	AQUIFLOW	27979
4 South 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	410556 ENE Not Reported Not Reported 15 07/21/1986	AQUIFLOW	28548
5 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	69264-S NW Not Reported Not Reported Not Reported 02/26/1993	AQUIFLOW	28517
6 SSW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	0-006157 Not Reported Not Reported 12 Not Reported 02/11/1987	AQUIFLOW	27832
7 ENE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	0-007217 W Not Reported Not Reported 7 01/15/1997	AQUIFLOW	28583

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

8 WNW 1/2 - 1 Mile Higher	Site ID:	0-016994	AQUIFLOW	28465
	Groundwater Flow:	N		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	10-12		
	Date:	07/22/1998		
9 NE 1/2 - 1 Mile Lower	Site ID:	0-002326	AQUIFLOW	28447
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	8		
	Date:	11/23/1994		
A10 NE 1/2 - 1 Mile Lower	Site ID:	410249	AQUIFLOW	28513
	Groundwater Flow:	NW		
	Shallowest Water Table Depth:	4		
	Deepest Water Table Depth:	8		
	Average Water Table Depth:	Not Reported		
	Date:	02/11/1991		
A11 NE 1/2 - 1 Mile Lower	Site ID:	15285	AQUIFLOW	27702
	Groundwater Flow:	S		
	Shallowest Water Table Depth:	7.5		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	Not Reported		
	Date:	06/24/1998		
B12 SSE 1/2 - 1 Mile Lower	Site ID:	410563	AQUIFLOW	28575
	Groundwater Flow:	E		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	7		
	Date:	01/08/1997		
B13 SSE 1/2 - 1 Mile Lower	Site ID:	0-017835	AQUIFLOW	28090
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	3		
	Deepest Water Table Depth:	5		
	Average Water Table Depth:	Not Reported		
	Date:	06/1990		
14 ENE 1/2 - 1 Mile Higher	Site ID:	410636	AQUIFLOW	28045
	Groundwater Flow:	NW		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	5.4		
	Average Water Table Depth:	Not Reported		
	Date:	09/17/1993		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

15
ESE
1/2 - 1 Mile
Higher

Site ID: 0-020983
Groundwater Flow: E
Shallowest Water Table Depth: Not Reported
Deepest Water Table Depth: Not Reported
Average Water Table Depth: Not Reported
Date: 08/18/1997

AQUIFLOW 28068

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Zipcode	Test Date	LT Sign	Result
49504	11/23/1998		1.6
49504	2/17/2009		1.6
49504	1/21/2009		1.6
49504	11/5/1998		1.5
49504	10/29/1998		1.5
49504	12/2/1998		1.5
49504	10/31/1998		1.5
49504	2/17/1994		1.5
49504	11/1/1997		1.5
49504	12/14/1998		1.5
49504	11/28/1998		1.5
49504	5/8/2002		1.5
49504	2/28/2008		1.6
49504	2/19/2007		1.6
49504	5/9/2008		1.6
49504	4/4/2007		1.6
49504	9/8/2000		1.6
49504	5/18/2001		1.6
49504	3/30/2009		1.6
49504	2/7/2009		1.6
49504	2/9/2007		1.5
49504	2/6/2007		1.5
49504	2/27/2006		1.5
49504	6/21/2007		1.5
49504	4/24/2007		1.5
49504	5/8/2008		1.5
49504	4/20/1999		1.5
49504	1/22/2002		1.5
49504	2/5/2007		1.5
49504	3/1/2004		1.4
49504	10/13/2009		1.5
49504	1/29/2010		1.5
49504	11/3/1997		1.4
49504	11/1/1997		1.4
49504	11/2/1998		1.4
49504	12/18/1998		1.4
49504	11/23/1998		1.4
49504	10/31/1998		1.4
49504	11/17/1998		1.4
49504	12/3/1998		1.4
49504	12/2/1998		1.4
49504	10/12/1998		1.4
49504	2/20/2001		1.4
49504	10/31/2009		1.4
49504	1/26/2009		1.4
49504	11/20/1998		1.3
49504			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	11/24/1998	1.3
49504	3/13/2008	1.4
49504	1/4/2008	1.4
49504	2/9/2007	1.3
49504	3/20/2007	1.3
49504	2/17/1994	1.3
49504	11/21/1998	1.3
49504	10/30/1998	1.3
49504	12/18/1997	1.3
49504	11/23/1998	1.3
49504	11/2/1998	1.3
49504	1/30/2001	1.3
49504	1/31/2009	1.3
49504	1/19/2010	1.3
49504	9/21/2009	1.3
49504	11/10/1998	1.2
49504	11/5/1998	1.2
49504	11/16/1998	1.2
49504	11/28/1998	1.2
49504	12/14/1998	1.2
49504	12/26/1998	1.2
49504	11/2/1998	1.2
49504	12/16/1998	1.2
49504	12/14/1998	1.2
49504	12/17/1998	1.2
49504	1/9/1998	1.2
49504	4/25/1998	1.2
49504	3/5/2002	1.2
49504	2/2/2000	1.3
49504	5/18/2001	1.3
49504	3/19/2009	1.3
49504	3/5/2009	1.3
49504	4/21/1994	1.2
49504	11/5/1999	1.2
49504	12/24/1999	1.2
49504	2/1/2002	1.2
49504	7/1/2005	1.2
49504	2/9/2007	1.2
49504	4/24/2006	1.2
49504	1/13/2006	1.2
49504	11/27/1998	1.1
49504	2/22/1999	1.1
49504	12/14/1998	1.1
49504	12/14/1998	1.1
49504	12/22/1998	1.1
49504	10/29/1998	1.1
49504	12/31/1993	1.1
49504	12/18/1998	1.1
49504	4/9/2002	1.1
49504	10/29/1998	1.1
49504	2/16/2000	1.2
49504	10/15/2009	1.2
49504	2/21/2009	1.2
49504	11/21/1997	1.1
49504	3/9/1996	1.1
49504	11/19/1998	1.1
49504		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	12/22/1998	1.1
49504	9/26/2007	1.1
49504	4/22/1999	1.1
49504	4/15/1999	1.1
49504	1/20/2009	1.1
49504	2/22/2005	1.1
49504	3/28/2005	1.1
49504	8/26/2006	1.1
49504	5/17/2007	1.1
49504	1/25/2008	1.1
49504	1/18/2008	1.1
49504	3/12/2007	1.1
49504	1/27/1999	1.0
49504	1/11/1999	1.0
49504	12/14/1998	1.0
49504	11/10/1997	1.0
49504	1/11/1999	1.0
49504	3/5/1994	1.0
49504	2/2/2009	1.1
49504	4/30/1998	1.0
49504	1/29/1996	1.0
49504	11/13/1998	1.0
49504	3/31/1999	1.0
49504	3/5/1999	1.0
49504	11/24/1995	1.0
49504	2/26/2000	1.0
49504	2/24/1995	1.0
49504	3/24/2001	1.0
49504	1/24/2009	1.0
49504	2/13/2009	1.0
49504	1/12/2009	1.0
49504	11/14/2009	1.0
49504	12/5/2005	1.0
49504	2/10/2007	1.0
49504	3/2/2007	1.0
49504	10/1/2007	1.0
49504	1/21/2008	1.0
49504	3/16/2007	1.0
49504	4/24/2008	1.0
49504	5/7/2007	1.0
49504	12/7/1998	1.9
49504	11/23/1998	1.9
49504	12/23/1996	1.9
49504	12/11/1998	1.9
49504	11/5/1998	1.9
49504	12/5/1998	1.9
49504	12/18/1998	1.9
49504	10/30/1998	1.9
49504	12/31/1998	1.9
49504	3/13/1999	1.9
49504	10/29/1998	1.9
49504	10/27/2005	1.9
49504	12/22/1998	1.8
49504	12/16/1998	1.8
49504	12/26/1998	1.8
49504	11/30/1993	1.8
49504		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	11/19/1998	1.8
49504	11/20/1998	1.8
49504	11/13/1998	1.8
49504	1/2/1999	1.8
49504	11/10/1998	1.8
49504	11/12/1998	1.8
49504	11/19/2001	1.8
49504	1/26/2004	1.8
49504	5/10/2007	1.9
49504	2/26/2007	1.9
49504	10/29/1994	1.9
49504	11/5/1999	1.9
49504	9/13/1999	1.9
49504	10/10/2009	1.9
49504	6/29/2009	1.9
49504	12/16/2008	1.9
49504	11/3/1997	1.8
49504	1/18/2008	1.8
49504	2/20/2007	1.8
49504	2/28/2008	1.8
49504	1/25/2008	1.8
49504	2/20/2001	1.8
49504	11/8/1999	1.8
49504	2/21/2009	1.8
49504	11/6/2009	1.8
49504	4/3/2009	1.8
49504	4/10/2009	1.8
49504	1/21/2009	1.8
49504	1/29/2009	1.8
49504	5/6/2005	1.8
49504	2/27/2004	1.8
49504	2/3/2007	1.8
49504	10/17/2008	1.8
49504	10/27/2008	1.7
49504	1/21/2008	1.7
49504	5/26/2009	1.7
49504	12/29/2007	1.7
49504	3/30/2001	1.7
49504	10/29/1998	1.7
49504	11/2/1998	1.7
49504	10/30/1998	1.7
49504	2/9/1999	1.7
49504	10/30/1998	1.7
49504	11/5/1998	1.7
49504	1/10/2005	1.7
49504	11/19/1998	1.6
49504	11/20/1998	1.6
49504	2/10/1996	1.6
49504	12/7/1998	1.6
49504	10/31/1998	1.6
49504	9/15/2009	1.7
49504	2/13/2009	1.7
49504	2/27/2009	1.7
49504	11/16/2009	1.7
49504	2/2/2009	1.7
49504	3/3/2009	1.7
49504		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	11/13/1998		1.6
49504	10/29/1998		1.6
49504	2/19/2007	<	0.3
49504	12/14/1998	<	0.3
49504	12/11/1998	<	0.3
49504	11/17/1997	<	0.3
49504	12/18/1998	<	0.3
49504	12/22/1998	<	0.3
49504	1/26/2004	<	0.3
49504	2/12/2002		0.5
49504	3/1/1999	<	0.3
49504	7/9/2005	<	0.3
49504	2/10/2004	<	0.3
49504	7/9/2005	<	0.3
49504	4/24/1998	<	0.3
49504	4/14/1998	<	0.3
49504	11/5/1998	<	0.3
49504	11/19/1998	<	0.3
49504	4/30/1998	<	0.3
49504	12/1/1998	<	0.3
49504	11/2/1998	<	0.3
49504	8/26/2005	<	0.3
49504	1/9/2006		0.5
49504	3/17/2008		0.5
49504	9/7/2001	<	0.3
49504	2/26/2007		0.5
49504	2/28/2006	<	0.3
49504	10/5/2009		0.5
49504	3/28/2003	<	0.3
49504	2/2/2009		0.5
49504	1/15/2010		0.5
49504	5/25/2004	<	0.3
49504	2/23/2007	<	0.3
49504	10/24/2001		0.4
49504	2/21/1995		0.4
49504	11/15/2003	<	0.3
49504	5/31/2008	<	0.3
49504	5/8/2008	<	0.3
49504	4/20/2007	<	0.3
49504	5/7/1998	<	0.3
49504	11/7/1998	<	0.3
49504	12/24/2001	<	0.3
49504	4/7/2007	<	0.3
49504	3/10/2007	<	0.3
49504	3/10/2007	<	0.3
49504	11/7/1998	<	0.3
49504	11/28/1998	<	0.3
49504	11/7/1998	<	0.3
49504	5/18/1998	<	0.3
49504	11/2/1998	<	0.3
49504	3/25/1999	<	0.3
49504	2/1/2002	<	0.3
49504	2/1/2006	<	0.3
49504	4/17/2006	<	0.3
49504	2/8/2007	<	0.3
49504	8/10/2007	<	0.3
49504			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	12/14/1998	<	0.3
49504	2/24/1999	<	0.3
49504	2/19/1999	<	0.3
49504	5/6/2002	<	0.3
49504	2/23/2007	<	0.3
49504	2/24/1999	<	0.3
49504	2/15/1999	<	0.3
49504	4/11/2008	<	0.3
49504	2/8/1999	<	0.3
49504	11/1/1997	<	0.3
49504	1/11/1999	<	0.3
49504	1/18/1999	<	0.3
49504	12/22/1998	<	0.3
49504	1/18/1999	<	0.3
49504	3/8/1999		0.8
49504	11/5/1998		0.8
49504	11/30/1998		0.8
49504	12/22/1998		0.8
49504	1/14/2010		1.0
49504	11/9/1998		0.9
49504	11/30/1998		0.9
49504	11/28/1998		0.9
49504	11/1/1997		0.9
49504	10/29/1998		0.8
49504	12/18/1998		0.8
49504	11/14/1998		0.8
49504	12/19/1998		0.8
49504	12/18/1998		0.8
49504	5/9/1998		0.8
49504	12/16/1998		0.8
49504	12/19/1998		0.8
49504	11/3/2003		0.7
49504	3/15/2004		0.7
49504	10/29/1998		0.9
49504	10/29/1998		0.9
49504	11/5/1998		0.9
49504	11/13/1998		0.9
49504	12/23/1997		0.9
49504	3/6/1999		0.9
49504	12/16/1998		0.9
49504	2/8/1999		0.9
49504	12/11/1998		0.9
49504	3/27/2006		0.6
49504	8/26/2006		0.7
49504	10/27/2006		0.7
49504	11/3/2003		0.9
49504	12/15/2003		0.9
49504	5/3/2006		0.6
49504	2/5/2007		0.6
49504	1/28/2008		0.7
49504	2/23/2008		0.7
49504	3/3/2007		0.7
49504	9/5/2006		0.6
49504	1/22/2008		0.6
49504	11/8/2008		0.7
49504	6/6/2007		0.6
49504			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	7/9/2007	0.6
49504	2/4/2008	0.6
49504	4/9/2008	0.8
49504	4/7/2008	0.8
49504	6/4/2001	0.7
49504	2/15/2007	0.9
49504	4/25/2006	0.9
49504	3/17/2008	0.6
49504	4/24/2008	0.6
49504	11/16/1999	0.6
49504	4/25/2001	0.6
49504	2/16/1995	0.6
49504	2/15/2000	0.8
49504	8/10/1999	0.7
49504	12/15/2008	0.7
49504	3/2/2007	0.9
49504	1/18/2000	0.6
49504	4/11/2009	0.6
49504	1/29/2000	0.8
49504	6/29/2009	0.7
49504	1/8/2010	0.7
49504	2/9/2009	0.7
49504	1/15/2010	0.7
49504	3/5/2008	0.9
49504	1/21/2008	0.9
49504	5/10/2008	0.9
49504	1/17/2008	0.9
49504	2/4/2008	0.9
49504	3/30/2009	0.6
49504	1/30/2009	0.6
49504	1/15/2010	0.6
49504	4/18/2009	0.6
49504	3/3/2009	0.6
49504	11/13/1998	0.5
49504	11/6/1997	0.5
49504	12/23/1998	0.5
49504	12/14/1998	0.6
49504	11/9/1998	0.6
49504	10/30/1997	0.6
49504	10/23/1995	0.6
49504	12/14/1998	0.6
49504	12/16/1998	0.6
49504	3/19/2001	0.9
49504	2/19/2000	0.9
49504	11/25/1998	0.5
49504	11/21/1997	0.5
49504	11/2/1998	0.5
49504	11/16/1998	0.5
49504	2/12/1999	0.5
49504	12/3/1998	0.5
49504	11/7/1998	0.5
49504	11/2/1998	0.5
49504	4/21/2009	0.8
49504	2/3/2009	0.8
49504	12/26/1998	0.7
49504	1/27/1999	0.6
49504		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	12/12/1998	0.6
49504	7/23/2009	0.9
49504	2/2/1996	0.5
49504	1/26/1996	0.5
49504	8/24/1998	0.5
49504	12/14/1998	0.5
49504	11/9/1998	0.5
49504	10/30/1997	0.7
49504	11/9/1998	0.7
49504	11/25/1998	0.7
49504	11/19/1998	0.7
49504	11/12/1998	0.7
49504	11/23/1998	0.7
49504	11/5/1998	0.6
49504	11/12/1997	0.6
49504	8/21/2009	0.9
49504	1/20/2009	0.9
49504	3/2/2009	0.9
49504	8/31/1998	0.5
49504	1/17/2002	0.5
49504	5/23/1998	0.7
49504	11/19/1998	0.7
49504	11/16/1998	0.7
49504	7/3/2009	0.9
49504	1/15/2009	0.9
49504	2/6/2009	0.9
49504	3/25/1999	0.8
49504	11/10/1997	0.8
49504	10/30/1998	0.8
49504	12/14/1998	0.8
49504	3/15/1999	0.8
49504	3/8/1999	0.8
49504	11/6/1997	2.6
49504	11/2/1998	2.6
49504	2/5/2009	2.6
49504	2/3/2009	2.6
49504	2/11/2009	2.6
49504	4/24/2009	2.8
49504	11/23/1998	2.7
49504	4/15/1998	2.5
49504	11/7/1998	2.5
49504	12/22/1998	2.5
49504	10/29/1998	2.5
49504	10/28/1998	2.5
49504	1/9/1999	2.5
49504	11/2/2001	2.5
49504	3/21/2007	2.5
49504	10/30/1999	2.5
49504	2/6/2001	2.5
49504	11/3/2009	2.5
49504	2/2/2009	2.5
49504	11/3/1998	2.4
49504	10/30/1998	2.4
49504	11/2/1998	2.4
49504	8/11/2006	2.4
49504	2/5/2007	2.4
49504		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	4/25/2007	2.4
49504	2/2/2007	2.2
49504	1/26/2009	2.4
49504	10/29/1998	2.3
49504	12/1/1998	2.3
49504	11/25/1997	2.3
49504	6/4/1998	2.3
49504	10/29/1998	2.3
49504	12/13/1995	2.3
49504	11/13/1998	2.3
49504	2/24/1999	2.3
49504	11/10/1998	2.2
49504	5/9/1998	2.2
49504	8/19/1999	2.2
49504	2/17/2004	2.3
49504	11/8/1997	2.2
49504	8/24/2009	2.2
49504	2/23/2007	2.3
49504	12/18/1998	2.1
49504	10/30/1998	2.1
49504	1/19/1999	2.1
49504	12/11/1998	2.1
49504	4/16/1998	2.1
49504	4/11/1998	2.1
49504	10/29/1998	2.1
49504	11/23/1998	2.1
49504	2/23/2009	2.9
49504	1/14/2010	2.9
49504	11/2/1998	2.6
49504	10/30/1998	2.6
49504	11/7/2003	2.6
49504	11/13/1998	2.8
49504	10/23/1998	2.8
49504	11/7/1998	2.8
49504	10/31/1998	2.8
49504	2/24/1999	2.8
49504	4/20/1998	2.8
49504	2/17/2003	2.7
49504	1/24/2001	3.0
49504	11/16/2009	3.0
49504	12/29/2005	2.6
49504	1/24/2009	3.0
49504	1/31/2009	3.0
49504	4/11/1998	2.9
49504	10/29/1998	2.9
49504	4/11/1998	2.9
49504	1/25/1999	2.9
49504	10/4/1995	2.9
49504	5/19/2005	2.8
49504	2/16/2002	2.9
49504	2/5/2007	2.8
49504	2/9/2007	2.8
49504	11/20/1999	2.7
49504	4/19/1999	2.6
49504	3/31/2009	2.7
49504	1/29/2009	2.7
49504		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	3/16/2009	<	0.3
49504	3/16/2009	<	0.3
49504	2/21/2009	<	0.3
49504	1/21/2008	<	0.3
49504	1/21/2008	<	0.3
49504	2/12/2008	<	0.3
49504	2/9/2008	<	0.3
49504	2/1/2008	<	0.3
49504	2/3/2009	<	0.3
49504	2/5/2009	<	0.3
49504	3/2/2009	<	0.3
49504	2/27/2009	<	0.3
49504	12/1/2000		3.8
49504	12/7/1999		3.8
49504	7/11/2009		3.8
49504	5/10/2007		3.6
49504	3/21/2007	<	0.3
49504	2/8/2008	<	0.3
49504	5/26/2009		3.6
49504	12/5/1998		3.5
49504	11/16/1998		3.5
49504	11/16/1998		3.5
49504	11/3/1997		3.5
49504	12/26/1998		3.5
49504	5/21/1994	<	0.3
49504	1/12/2006		3.5
49504	3/8/2007		3.5
49504	6/9/2000	<	0.3
49504	6/22/2000	<	0.3
49504	12/26/1998		3.4
49504	10/31/1998		3.4
49504	12/14/1998		3.4
49504	10/30/1998		3.4
49504	4/25/2000		3.4
49504	2/8/2007		3.1
49504	12/11/1999	<	0.3
49504	3/6/2008		3.1
49504	12/18/1998		3.3
49504	5/7/2001	<	0.3
49504	10/20/2007		3.2
49504	12/9/2000	<	0.3
49504	7/11/2009		3.1
49504	3/21/2009		3.1
49504	11/2/1998		3.0
49504	12/15/2008	<	0.3
49504	12/15/2008	<	0.3
49504	12/15/2008	<	0.3
49504	2/5/2009	<	0.3
49504	4/18/2009		3.2
49504	11/3/1997		3.1
49504	2/25/2008		3.3
49504	2/25/1999		3.9
49504	12/14/1998		3.7
49504	1/11/1999		3.7
49504	12/18/1998		3.1
49504	12/22/1998		3.1
49504			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	3/19/2009	<	0.3
49504	3/19/2009	<	0.3
49504	3/23/2009	<	0.3
49504	4/24/2009	<	0.3
49504	1/15/2010	<	0.3
49504	11/23/2009	<	0.3
49504	11/20/2009	<	0.3
49504	2/23/2009		3.9
49504	3/17/2008		3.7
49504	1/24/2000		3.7
49504	5/7/2009	<	0.3
49504	11/2/1998		3.8
49504	1/20/1999		3.8
49504	3/6/1999		3.8
49504	12/26/1998		3.8
49504	11/12/1998		3.8
49504	3/3/2007		3.4
49504	1/21/2009	<	0.3
49504	1/24/2009	<	0.3
49504	1/19/2010		3.3
49504	1/29/2010		3.3
49504	11/5/1997		3.2
49504	11/10/1998		3.2
49504	3/2/2009	<	0.3
49504	10/31/1998		7.6
49504	10/31/1998		7.6
49504	12/4/1998		7.2
49504	3/18/1997		7.2
49504	10/31/2008		6.6
49504	6/18/2004		7.1
49504	12/16/1998		6.3
49504	12/30/1998		6.2
49504	2/12/2007		6.2
49504	11/20/2008		6.2
49504	8/15/2009		6.1
49504	11/17/2008		5.6
49504	11/3/2009		5.6
49504	11/16/2009		5.6
49504	11/8/2000		6.0
49504	11/21/1998		5.1
49504	5/11/1998		5.1
49504	12/8/1999		4.9
49504	11/1/1997		5.9
49504	8/14/2006		5.1
49504	1/15/2000		4.8
49504	1/29/2009		4.8
49504	3/30/2009		5.5
49504	11/9/1998		5.4
49504	11/5/1998		5.4
49504	11/2/2005		4.7
49504	2/2/2009		5.8
49504	7/13/2009		4.7
49504	4/11/2002		5.3
49504	4/30/2001		5.0
49504	3/15/2000		5.0
49504	4/29/1994		4.7
49504			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

	11/5/1999	5.7
49504	1/29/2009	5.7
49504	11/17/1998	4.9
49504	11/2/1998	5.2
49504	1/29/2010	7.5
49504	1/11/1999	7.4
49504	11/7/1998	6.7
49504	3/15/1997	6.7
49504	10/18/2003	6.7
49504	12/4/1998	6.6
49504	11/21/2002	6.6
49504	1/29/2009	7.8
49504	11/13/2008	7.3
49504	11/17/2008	6.9
49504	2/2/1999	2.0
49504	1/28/1999	2.0
49504	12/14/1998	2.0
49504	12/18/1998	2.0
49504	10/29/1998	2.0
49504	3/31/2008	13.3
49504	10/31/1998	11.5
49504	4/11/2008	10.2
49504	11/8/2005	2.1
49504	4/5/2006	2.0
49504	5/29/2006	2.1
49504	7/20/2007	2.1
49504	10/8/2007	2.0
49504	2/18/2008	2.0
49504	2/18/2008	9.1
49504	3/6/1999	8.5
49504	4/21/2008	2.1
49504	11/1/1999	2.1
49504	10/30/1999	2.1
49504	12/6/1999	2.0
49504	1/18/1995	2.0
49504	6/23/2001	2.0
49504	2/21/2009	2.1
49504	2/5/2009	2.0
49504	11/19/2009	2.0
49504	5/14/1998	2.0
49504	11/6/1997	2.0
49504	5/23/1996	2.0
49504	2/2/2009	4.5
49504	10/31/1998	4.4
49504	12/16/1998	4.4
49504	10/30/1998	4.0
49504	12/16/1998	4.0
49504	11/21/1998	4.1
49504	11/21/1998	4.1
49504	12/6/2007	4.4
49504	11/6/1997	4.2
49504	11/16/1998	4.2
49504	1/27/1999	4.2
49504	3/29/1999	4.2
49504	2/17/2009	4.6
49504	12/14/2007	4.1
49504		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	11/13/1998	4.3
49504	4/11/1998	4.3
49504	4/9/2001	4.5

Federal EPA Radon Zone for KENT County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 49504

Number of sites tested: 12

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.533 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

The data in this file was obtained from Wellogis, the Michigan Department of Environmental Quality Statewide Groundwater Database (SGWD). Wellogis contains approximately 425,000 water well records found within the State of Michigan, and although it represents the best available data, it cannot be considered a complete database of all the wells or well records in existence.

OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Department of Environmental Quality

Telephone: 517-241-1528

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

RADON

State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551

Radon Test Results

Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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WRITTEN REQUESTS FOR FILE REVIEWS
AND WRITTEN RESPONSES



ISO 9001 REGISTERED

Lansing

3340 Ranger Road
Lansing, MI 48906

f: 877-884-6775

t: 517-321-3331

Detroit

4080 W. 11 Mile Rd
Berkley, MI 48072

f: 877-884-6775

t: 248-336-9988

Grand Rapids

560 5th Street NW,
Suite 301

Grand Rapids, MI 49504

f: 877.884.6775

t: 616.285.8857

VIA EMAIL: DEQFOIA@michigan.gov

Requested & Reviewed By: Sorensen@pmenv.com

December 29, 2014

Susan Vorce, FOIA Coordinator
Office of Environmental Assistance
Department of Environmental Quality

FOIA Coordinator:

Please accept this Freedom of Information Act request for file information for the following sites located in **Kent County**:

RRD records maintained in the Grand Rapids District Office Only:

- North End Transmission Service; 802 Alpine Avenue NW, Grand Rapids (FID: 00013761)
- Walmler All-Service; 856 7th Street NW, Grand Rapids (FID: 00011368)
- 555 7th Street NW, Grand Rapids (BEA 3480)

OWMRP records maintained in the Grand Rapids District Office Only:

- North End Transmissions Inc.; 802 Alpine Avenue NW, Grand Rapids (EPA ID: MID017095530)

We would like to review the files at the Grand Rapids District office before copies are made. Please contact me at 616-222-1777 or by email at Sorensen@pmenv.com to set up an appointment, or if you have any questions or concerns. Thank you.

Sincerely,
PM Environmental, Inc.,

A handwritten signature in blue ink that reads "Lindsey Sorensen".

Lindsey Sorensen
Staff Researcher
560 5th Street NW, Suite 301
Grand Rapids, MI 49504
PME Project Number: 03-3849-0 BH (6/2/14)

Appendix E

PM PROFESSIONAL RESUMES



1.800.313.2966
www.pmenv.com
hengst@pmenv.com

Education

- Grand Valley State University B.S. Natural Resource Management

Certifications

- OSHA 29 CFR 1910.120 (c)(3) 40– hour HAZWOPER Course

BRYANT HENGST

STAFF CONSULTANT

Areas of expertise

- Staff Researcher for Phase I Environmental Site Assessments.
- Data collection, site investigation, and preparation of Phase I Environmental Site Assessments.
- Project investigator and engineer for Phase I and Phase II Environmental Site Assessments.
- Collection and evaluation of data for Transaction Screens, Phase I ESAs, and preparation of reports.
- Experience in implementation and completion of various site assessment standards and professional protocol and commercial lending requirements. (ASTM E-1527)
- Data collection and evaluation for Phase II Environmental Site Assessment Reports.
- Data management and report preparation for quarterly groundwater monitoring.
- Field Technician for the drilling of soil borings, installation of monitoring wells, collection of soil and water samples, excavation oversight, and surveying.
- Two years experience completing Phase I ESA site visits, which includes documentation of building materials and a discussion of suspect ACBM with licensed asbestos inspectors.



1.800.313.2966
www.pmenv.com
shadley@pmenv.com

Education

- Central Michigan University B.S. Geography and Environmental Science

Certifications

- Certified Asbestos Building Inspector State of Michigan Accreditation #A29309
- Certified Asbestos Management Planner State of Michigan Accreditation #A29309
- Certified Asbestos Project Designer State of Michigan Accreditation #A29309
- Certified Asbestos Hazard Evaluation Specialist State of Ohio #ES349636
- Certified Storm Water Management Operator State of Michigan CC-10849
- Section 106 of the Historic Preservation Act
- Radon Measurement Specialist, The National Radon Safety Board #13SS049
- Licensed Secondary Radon Tester Indiana State Department of Health RTS00679
- Meets the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312

Professional Activities

- Commercial Alliance of Realtors (CAR)
West Michigan Educational Committee

SHAWN SHADLEY

REGIONAL MANAGER/SENIOR CONSULTANT

Mr. Shadley is a Regional Manager and Senior Consultant at PM Environmental, Inc. and has served clients in the Midwest and Southeast United States since 2001. He specializes in U.S. Department of Housing and Urban Development (HUD) Chapter 9 projects and Michigan State Housing Development Authority (MSHDA) Environmental review requirements. His recent focus includes providing developers, attorneys, and lenders with environmental due diligence services such as Phase I & II ESAs, BEAs Due Care Plans, NEPA compliance assessments, asbestos-containing material and lead based paint surveys.

Areas of expertise

- Data collection, site investigation, and preparation of Phase I Environmental Site Assessment (ESA) projects.
- Data collection, site investigation, and preparation of Transaction Screen projects.
- Experience in implementation and completion of various site assessment standards and professional protocol and commercial lending requirements (ASTM E-1527, ASTM E-1528).
- Project Investigator and preparer for Phase II ESAs.
- Project Investigator and preparer for Baseline Environmental Assessments and Due Care Plans in accordance with the Natural Resources and Environmental Protection Act, P.A. 451 of 1994, Parts 201 and 213.
- Bulk asbestos containing materials samples.
- Asbestos Operations and Maintenance Plans.
- Demolition inspections for commercial and residential properties.
- Completion of NEPA Assessments in accordance with Federal Regulations 24 CFR Part 50 and 24 CFR Part 58.



1.800.313.2966
www.pmenv.com
sexton@pmenv.com

Education

- Michigan State University B.A. International Relations
- Specialization: Environmental Economics International Department
- University of Michigan Masters of Science Resource Policy and Behavior
- MDEQ Cleanup Criteria Training
- ASTM Phase I and Phase II Processes Training

Certifications

- Certified Asbestos Building Inspector Accreditation #A30924
- Meets the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312

Professional Activities

- Environmental Bankers Association
- CREW Network Board Liaison for CREW Detroit Outreach

BETH SEXTON

NATIONAL MANAGER – DUE DILIGENCE GROUP

Mrs. Sexton (formerly Bailey) is the National Due Diligence Manager for PM Environmental, Inc. Mrs. Sexton has over 10 years of experience performing environmental due diligence on a variety of properties for financial institutions and borrowers, retail chains, industrial conglomerates, and real estate developers. She specializes in Phase I Environmental Site Assessments and Risk Management.

As the National Due Diligence Manager, Mrs. Sexton manages all aspects of the over 7,000 annual transactional due diligence projects from throughout the United States. Mrs. Sexton is a Michigan native with a Bachelor Degree from Michigan State University and a Master of Science from The University of Michigan.

Areas of expertise

- Data collection, site investigation, and preparation of Phase I Environmental Site Assessment (ESA) projects.
- Data collection, site investigation, and preparation of Transaction Screen projects.
- Experience in implementation and completion of various site assessment standards and professional protocol and commercial lending requirements (ASTM E-1527, ASTM E-1528)./
- Project Investigator and preparer for Phase II ESAs.
- Project Investigator and preparer for Baseline Environmental Assessments in accordance with the Natural Resources and Environmental Protection Act, P.A. 451 of 1994, Parts 201 and 213.
- Limited bulk asbestos containing materials samples.
- Demolition inspections for commercial and industrial properties.
- Completion of Brownfield Plans and associated regulatory paperwork.
- Coordination and management for PM Environmental, Inc. Phase I ESA Department.

Appendix F

COMMON ACRONYMS AND TERMINOLOGY USED IN THE COURSE OF THIS PHASE I ESA

The following is a list of common acronyms:

All Appropriate Inquiry	AAI
Asbestos Containing Materials	ACM
Aboveground Storage Tank	AST
American Society for Testing Materials	ASTM
Approximate Minimum Search Distance	ASMD
Comprehensive Environmental Response, Compensation and Liability Act	CERCLA
Environmental Data Resources	EDR
Environmental Site Assessment	ESA
Federal Emergency Response Notification System	ERNS
Large Quantity Generator	LQG
Leaking Underground Storage Tank	LUST
National Priority List	NPL
No Further Remedial Action Planned	NFRAP
PM Environmental, Inc.	PME
Polychlorinated Biphenyls	PCBs
Resource Conservation and Recovery Act	RCRA
Small Quantity Generator	SQG
Treatment Storage and Disposal Facility	TSD
Underground Storage Tank	UST
United States Environmental Protection Agency	USEPA

TERMINOLOGY

The following provides definitions and descriptions of certain terms that may be used in this report. Several terms are defined by ASTM Standard Practice E 1527. The Standard Practice should be referenced for further detail (such as the precise wording), related definitions, or additional explanation regarding the meaning of terms.

Asbestos containing material (ACM): Any material found to contain greater than 1% asbestos using an analytical method that is approved by the USEPA for asbestos analysis.

De minimis conditions: Conditions that generally do not present a material risk or harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Friable material: Defined in the National Emission Standards for Hazardous Air Pollutants (NESHAP) as a material that can be pulverized or reduced to dust using hand pressure only.

General risk of enforcement action: The likelihood that an environmental condition would be subject to enforcement action if brought to the attention of appropriate

governmental agencies. If the circumstances suggest an enforcement action would be more likely than not, then the condition is considered a general risk of enforcement action.

Historical recognized environmental condition (HREC): Environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. The final decision rests with the environmental professional and will be influenced by the current impact of the historical recognized environmental condition on the subject property. If a past release of any hazardous substances or petroleum products has occurred in connection with the subject property, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered a historical recognized environmental condition.

Non-friable material: Defined by National Emission Standards for Hazardous Air Pollutants (NESHAP) as a material that cannot be pulverized or reduced to dust using hand pressure only. According to NESHAP, non-friable building materials include those in Category I (packings, gaskets, resilient floor coverings/adhesives, and asphalt roofing materials) and those in Category II (all other materials).

Recognized environmental condition (REC): The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the subject property or into the ground, ground water, or surface water of the subject property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Subject property: The area that is the focus of a Phase I Environmental Site Assessment. The boundaries are not necessarily consistent with recorded legal descriptions of real estate, and are defined by the User.

Suspect ACM of concern: Defined as “(I) all friable suspect ACMs (II) any non-friable suspect ACMs expected to be disturbed by renovation or demolition activities planned for the subject property.”

General Scope of Services for Phase I ESA

The purpose of the Phase I ESA is to gather sufficient information to develop an independent professional opinion about the environmental condition of the subject property. The ESA will be conducted in an attempt to satisfy the ASTM Standard (E-1527-13) and the U.S. EPA Standards and Practices for All Appropriate Inquiry as defined in the Small Business Liability Relief and Brownfields Revitalization Act. The Phase I ESA will encompass the following scope of work:

Records Review

- Federal and State database search for sites within the ASTM approximate minimum search distances.
- Review of one or more additional state environmental record sources (e.g., fire department, health department, published local or state site contamination lists, etc.). PM is typically exhaustive in inquiry with these resources.
- Utilization of as many of the ASTM standard historical sources as necessary and as reasonably ascertainable and likely to be useful to document all obvious uses of the subject property from the present, back to the subject property's first developed usage (agricultural or the placement of fill) or 1940, whichever is earlier (e.g., aerial photographs, fire insurance maps, topographic maps, street directories, building record and other sources including knowledgeable interviewees). PM is typically exhaustive in usage of these resources to document subject property historical usages. **Chain of title is not typically consulted by PM unless all other standard and historical sources cannot adequately document subject property usages or if required by a lender. A separate fee to the lump sum quoted will be assessed for obtainment of chain of title.**
- A records review in accordance with the requirements for a Vapor Intrusion Assessment per ASTM E-2600-08 is not included in this scope of work.

Site Reconnaissance

- The objective of the site reconnaissance is to obtain information regarding the likelihood of recognized environmental conditions in connection with the subject property.
- The exterior of the subject property and any structures, as well as, pathways, roads, etc., will be visually and physically observed.
- The interior of the structures on the subject property will be visually and physically observed. This includes all common areas, maintenance and repair rooms, boiler rooms and representative number of occupant spaces. Observations under floors, above ceilings or behind walls are not required unless specified by requirements other than the ASTM standard.
- PM will evaluate non-ASTM scope issues with a visual inspection, and comment on asbestos containing building materials, lead based paint, and water intrusion associated with mold. Sampling is not included within this scope of work, but can be completed under a separate proposal.
- Current and past uses of the subject property and adjoining properties, and general uses of surrounding properties, to the extent visually and physically observed will be recorded. Emphasis is placed on subject property or adjoining property usages involving use, treatment, storage, disposal or generation of hazardous substances or petroleum products. These observations may include process details on raw material and waste management practices.
- General description of structures and improvements on the subject property (number and age of buildings, ancillary structures, utilities, storage tanks, hazardous substance and petroleum product usage, general chemical or raw material usage, heating and cooling, stains, solid waste, waste water, etc.).

Interviews with Owners and Occupants

- Interviews with owners, occupants, key site manager and user (person on behalf Phase I ESA conducted), typically with regard to information about current and historical uses, general site setting information, site specific documents, litigation, administrative orders, notices of violations with regard to environmental issues, etc.

Interviews with Local Government Officials

- A reasonable attempt will be made to interview at least one staff member of any of the following: the local fire department, the local agency or state agency having jurisdiction over environmental matters in the area in which the subject property is located, and/or the local health department. PM is typically exhaustive in its inquiry of these sources, unless professional experience has indicated the resource is not beneficial.

Evaluation and Report Preparation

- The report of the Phase I ESA findings will generally follow the ASTM format unless otherwise requested by the client or as outlined in any applicable lender requirements. The report will include documentation of sources, methodology, limitations, and credentials. *Liability/risk evaluations, recommendations for Phase II ESA testing and remediation techniques are not provided within the scope of an ASTM performed assessment.* Phase I ESA reports are kept in the strictest client confidence and are issued directly to the client. Issuance or reliance on the Phase I ESA report for purposes of making loan decisions by a private lender may be included in the Phase I ESA report if specified by the client.

USER'S CONTINUING OBLIGATIONS UNDER CERCLA

Conducting a Phase I ESA alone does not provide a landowner with protection against CERCLA liability. Landowners who want to maintain a bona fide Prospective Purchaser, an Innocent Landowner, or a Contiguous Property Owner Defense must also comply with other pre-acquisition and post-acquisition requirements in the CERCLA regulations and AAI standards. The responsibilities for each defense are summarized below.

Bona Fide Prospective Purchaser Responsibilities

The Bona Fide Prospective Purchaser defense is intended for individuals or entities purchasing a property known to be contaminated. To obtain and maintain the defense, the individual or entity seeking the defense must also satisfy the following requirements (AAI, Section II D.1.):

- Have acquired a property after all disposal activities involving hazardous substances ceased at the property;
- Provide all legally required notices with respect to the discovery or release of any hazardous substances at the property;
- Exercise appropriate care by taking reasonable steps to stop continuing releases, prevent any threatened future releases, and prevent or limit human, environmental, or natural resources exposure to any previously released hazardous substance;
- Provide full cooperation, assistance, and access to persons authorized to conduct response actions or natural resource restorations;
- Comply with land use restrictions established or relied on in connection with a response action;
- Not impede the effectiveness or integrity of any institutional controls;
- Comply with any CERCLA request for information or administrative subpoena; and
- Not be potentially liable, or affiliated with any other person who is potentially liable for response costs for addressing releases at the property.

Innocent Landowner Responsibilities

The Innocent Landowner Defense protects individuals or entities (ultimately the "property owner") purchasing a property that is not known to be contaminated. The property owner must also satisfy the following requirements to obtain and maintain the defense (AAI, Section II D.3 and CERCLA Section 107(b)(3)):

- Have no reason to know that any hazardous substance which is the subject of a release of threatened release was disposed of on, in, or at the facility;
- Provide full cooperation, assistance and access to persons authorized to conduct response actions at the property;
- Comply with any land use restrictions and not impeding the effectiveness or integrity of any institutional controls;

- Take reasonable steps to stop continuing releases, prevent any threatened release, and prevent or limit human, environmental, or natural resource exposure to any hazardous substances released on or from the landowner's property;
- Demonstrate that the act or omission that caused the release or threat of release of hazardous substances and the resulting damages were caused by the third party with whom the person does not have employment, agency, or contractual relationship;
- Exercise due care with respect to the hazardous substance concerned, taking into consideration the characteristics of such hazardous substance, in light of all relevant facts and circumstances;
- Take precautions against foreseeable acts or omissions of a third party and the consequences that could result from such acts or omissions.

Contiguous Property Owner Defense

The Contiguous Property Owner Defense protects individuals or entities purchasing a property that is not known to be contaminated, but could be contaminated by migration from a contiguous property owned by someone else. To qualify as a contiguous property owner, a landowner must have no knowledge of contamination prior to acquisition, or reason to know of contamination at the time of acquisition, have conducted AAI, and meet all of the criteria set forth in AAI Section II.D.2 and CERCLA Section 107(q)(1)(A), which include:

- Not cause, contribute, or consent to the release or threatened release;
- Not be potentially liable nor affiliated with any other person potentially liable for response costs at the property;
- Take reasonable steps to stop continuing releases, prevent any threatened release, and prevent or limit human, environmental, or natural resource exposure to any hazardous substances released on or from the landowner's property;
- Provide full cooperation, assistance, and access to persons authorized to conduct response actions or natural resource restorations;
- Comply with land use restrictions established or relied on in connection with a response action;
- Not impede the effectiveness or integrity of any institutional controls;
- Comply with any CERCLA request for information or administrative subpoena;
- Provide all legally required notices with respect to discovery or release of any hazardous substances at the property.

Persons who know, or have reason to know, that the property is or could be contaminated at the time of acquisition of a property cannot qualify for the liability protection as a contiguous property owner, but may be entitled to Bona Fide Prospective Purchaser status.